

Exercise

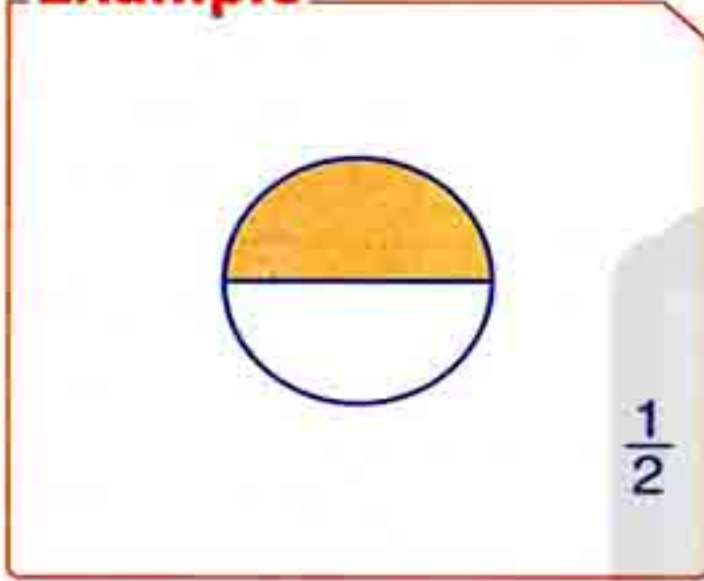
1

Reviewing what was studied about fractions

From the school book

- 1 Write the fraction that represents the coloured part according to the whole figure as in the example :

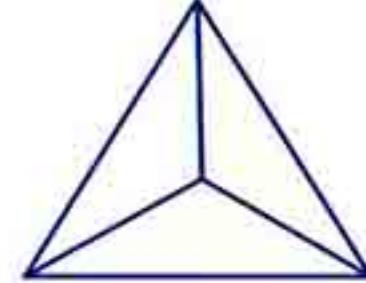
Example



a



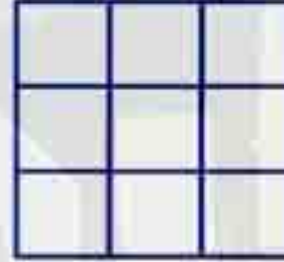
b



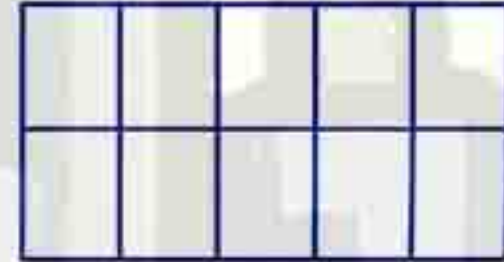
c



d



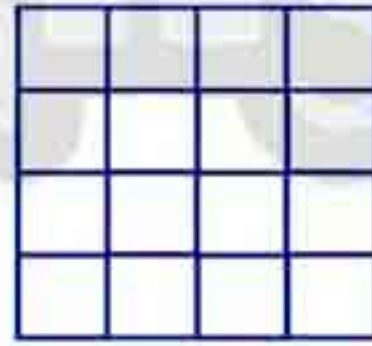
e



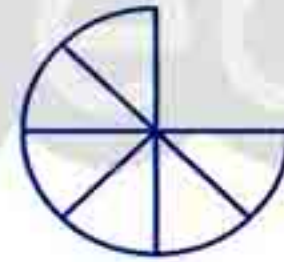
f



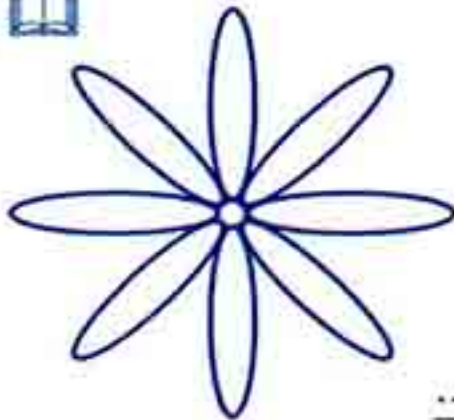
g



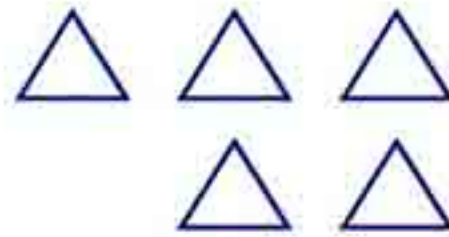
h



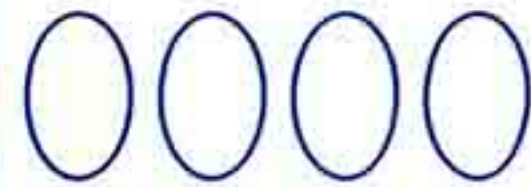
i



j



k

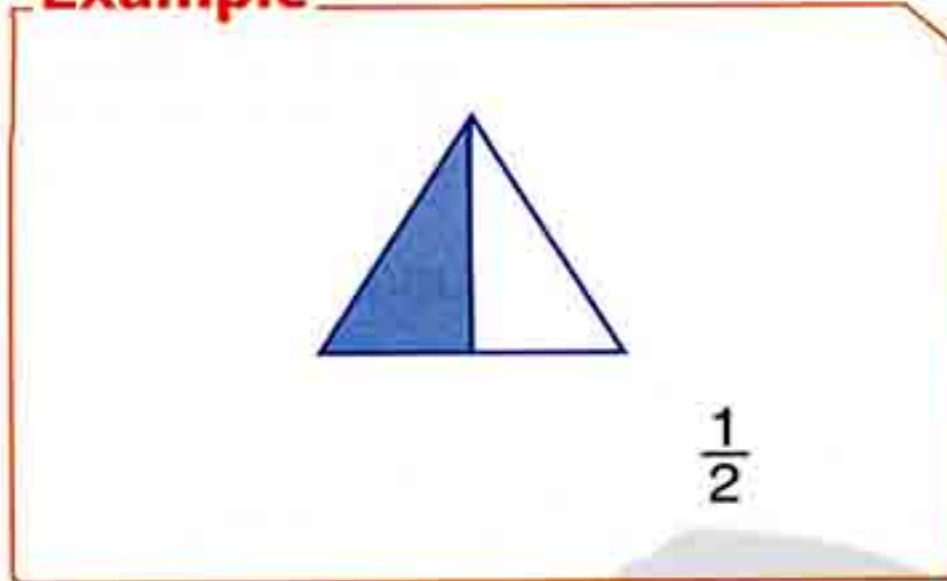


Lesson

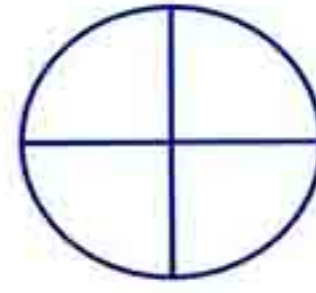
1

2 Colour according to the fraction as in the example :

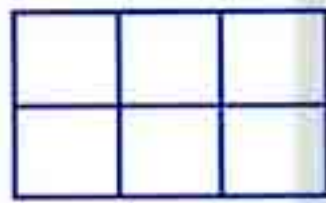
Example



a



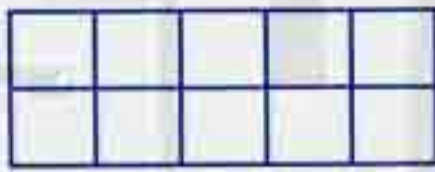
b



c



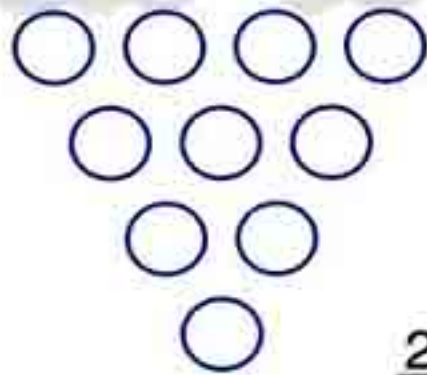
d



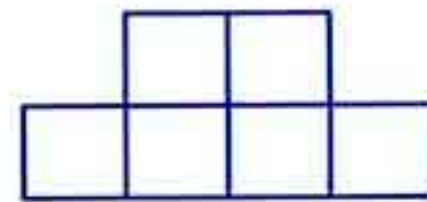
e



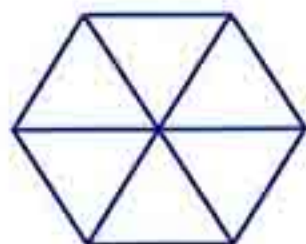
f



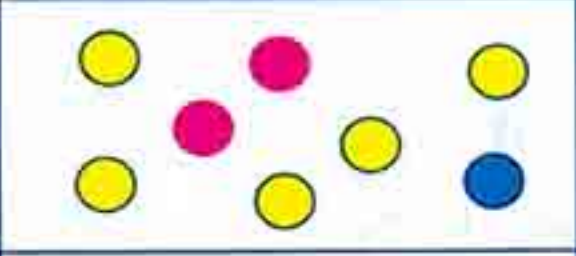
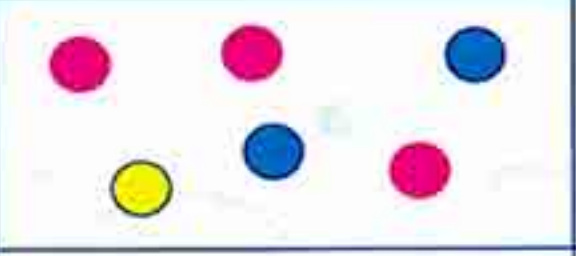
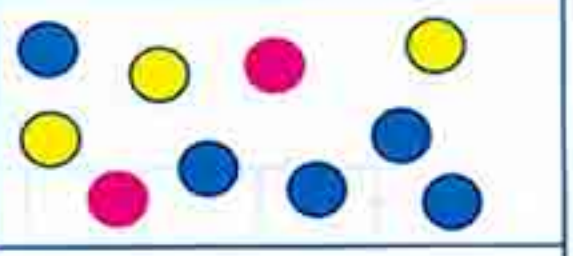
g



h



3 Complete the following table :

			
What part(s) is (are) blue ?	$\frac{1}{8}$	.....	.....
What part(s) is (are) yellow ?	.....	.....	.....
What parts are pink ?	.....	.....	.....
What parts are pink or blue ?	.....	$\frac{5}{6}$	.....
What parts are not blue ?	.....	.....	$\frac{5}{10}$

4 Complete the following table as in the example :

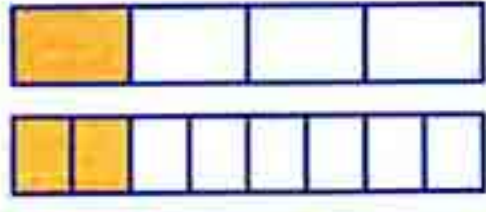
	Numerator	Denominator	The fraction is	Read as
Ex	1	4	$\frac{1}{4}$	One fourth
a	2	5
b	2	3
c	$\frac{5}{6}$
d	$\frac{3}{10}$
e	Three eighths
f	Two ninths

Lesson

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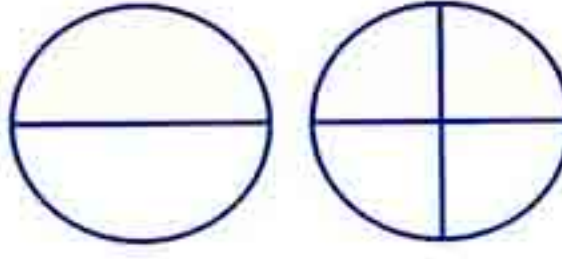
5 Complete as in the following example :

Example



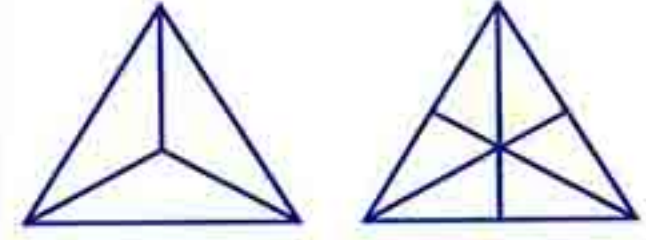
$$\frac{1}{4} = \frac{2}{8}$$

a



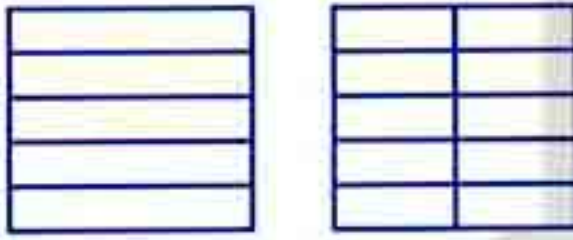
$$\frac{1}{2} = \frac{\dots}{4}$$

b



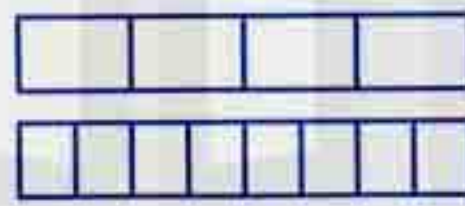
$$\frac{2}{3} = \frac{\dots}{6}$$

c



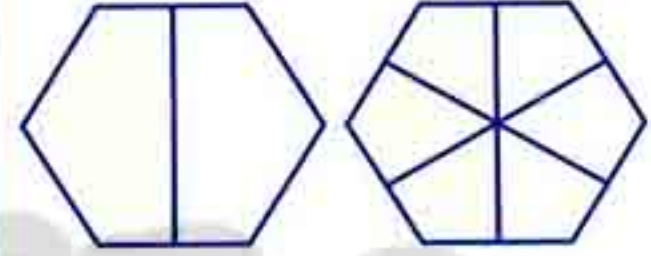
$$\frac{3}{5} = \frac{\dots}{10}$$

d



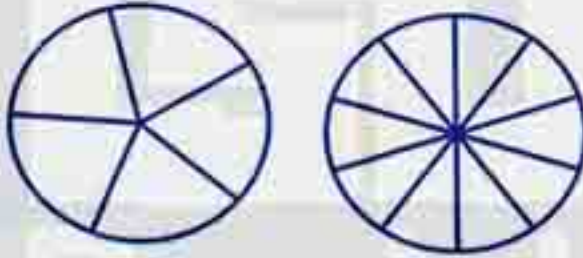
$$\frac{2}{4} = \frac{\dots}{8}$$

e



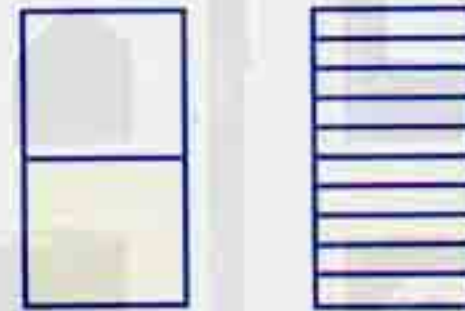
$$\frac{1}{2} = \frac{\dots}{6}$$

f



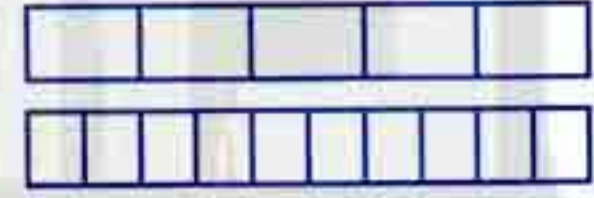
$$\frac{1}{5} = \frac{\dots}{10}$$

g



$$\frac{1}{2} = \frac{\dots}{10}$$

h



$$\frac{2}{5} = \frac{\dots}{10}$$

6 Complete :

$$a \quad 1 = \frac{3}{\dots} = \frac{\dots}{8} = \frac{10}{\dots} = \frac{5}{\dots}$$

$$b \quad \frac{1}{2} = \frac{5}{\dots} = \frac{3}{\dots} = \frac{6}{\dots} = \frac{\dots}{20}$$

$$c \quad \frac{1}{3} = \frac{2}{\dots} = \frac{3}{\dots} = \frac{\dots}{15} = \frac{9}{\dots} = \frac{\dots}{30}$$

$$d \quad \frac{2}{5} = \frac{4}{\dots} = \frac{6}{\dots} = \frac{\dots}{25} = \frac{18}{\dots} = \frac{\dots}{50}$$

$$e \quad \frac{3}{4} = \frac{\dots}{8} = \frac{9}{\dots} = \frac{\dots}{20} = \frac{30}{\dots}$$

$$f \quad \frac{4}{7} = \frac{12}{\dots} = \frac{20}{\dots} = \frac{8}{\dots} = \frac{\dots}{77}$$

7 Complete as in the example :

Example

$$\frac{35}{7} = \frac{5}{1} = 5$$

a $\frac{15}{5} = \frac{\dots}{1} = \dots$

b $\frac{30}{10} = \frac{3}{\dots} = \dots$

c $\frac{50}{10} = \frac{\dots}{1} = \dots$

d $\frac{6}{2} = \frac{3}{\dots} = \dots$

e $\frac{20}{5} = \frac{\dots}{1} = \dots$

f $\frac{28}{7} = \frac{\dots}{\dots} = \dots$

g $\frac{30}{5} = \frac{\dots}{1} = \dots$

h $\frac{80}{8} = \frac{\dots}{\dots} = \dots$

i $\frac{48}{3} = \frac{\dots}{1} = \dots$

j $\frac{90}{3} = \frac{\dots}{\dots} = \dots$

k $\frac{54}{\dots} = \frac{\dots}{1} = 9$

l $\frac{\dots}{7} = \frac{\dots}{1} = 6$

8 Complete :

a $\frac{1}{2} = \frac{5}{\dots}$

b $\frac{5}{15} = \frac{\dots}{3}$

c $\frac{3}{5} = \frac{9}{\dots}$

d $\frac{8}{9} = \frac{48}{\dots}$

e $\frac{16}{18} = \frac{\dots}{9}$

f $\frac{5}{7} = \frac{30}{\dots}$

g $\frac{\dots}{13} = \frac{4}{26}$

h $\frac{\dots}{9} = \frac{32}{72}$

9 Simplify each of the following fractions as in the example :

Example

$$\frac{3}{6} = \frac{1}{2}$$

•

$$\frac{4}{20} = \frac{1}{5}$$

•

a $\frac{5}{10} = \frac{\dots}{\dots}$

b $\frac{2}{6} = \frac{\dots}{\dots}$

c $\frac{6}{12} = \frac{\dots}{\dots}$

d $\frac{6}{9} = \frac{\dots}{\dots}$

e $\frac{5}{20} = \frac{\dots}{\dots}$

f $\frac{6}{21} = \frac{\dots}{\dots}$

Lesson

1

g $\frac{10}{35} = \dots\dots$

h $\frac{7}{21} = \dots\dots$

i $\frac{15}{27} = \dots\dots$

j $\frac{8}{32} = \dots\dots$

k $\frac{15}{24} = \dots\dots$

l $\frac{9}{81} = \dots\dots$

m $\frac{12}{42} = \dots\dots$

n $\frac{40}{45} = \dots\dots$

o $\frac{28}{70} = \dots\dots$

10 Complete each of the following using ($<$, $>$ or $=$) as in the example :

Example

$\frac{3}{7} > \frac{1}{7}$

$\frac{3}{5} < \frac{3}{4}$

$\frac{2}{5} = \frac{4}{10}$

a $\frac{1}{5} \bigcirc \frac{2}{5}$

b $\frac{3}{6} \bigcirc \frac{5}{6}$

c $\frac{7}{5} \bigcirc \frac{7}{8}$

d $\frac{6}{11} \bigcirc \frac{8}{11}$

e $\frac{1}{3} \bigcirc \frac{4}{6}$

f $\frac{5}{7} \bigcirc \frac{15}{21}$

g $\frac{3}{3} \bigcirc \frac{5}{5}$

h $1 \bigcirc \frac{10}{10}$

i $1 \bigcirc \frac{5}{9}$

j $\frac{1}{7} \bigcirc \frac{1}{3}$

k $\frac{8}{25} \bigcirc \frac{8}{13}$

l $\frac{8}{3} \bigcirc \frac{8}{5}$

11 Arrange each of the following in an ascending order as in the example :

Example

$\frac{1}{7}, \frac{5}{7}, \frac{3}{7}, \frac{4}{7}$ The order is : $\frac{1}{7}, \frac{3}{7}, \frac{4}{7}, \frac{5}{7}$

$\frac{3}{6}, \frac{2}{6}, \frac{5}{6}, \frac{2}{3}$ The order is : $\frac{2}{6}, \frac{3}{6}, \frac{2}{3}, \frac{5}{6}$



Notice that :

$\frac{2}{3} = \frac{4}{6}$

a $\frac{9}{10}, \frac{3}{10}, \frac{5}{10}, \frac{2}{10}$

The order is :,,,

b $\frac{5}{9}, \frac{3}{9}, \frac{1}{9}, \frac{6}{9}$

The order is :,,,

c $\frac{5}{7}, \frac{3}{7}, 1, \frac{2}{7}$

The order is :,,,

d $\frac{8}{12}, \frac{10}{12}, \frac{3}{4}, \frac{11}{12}$

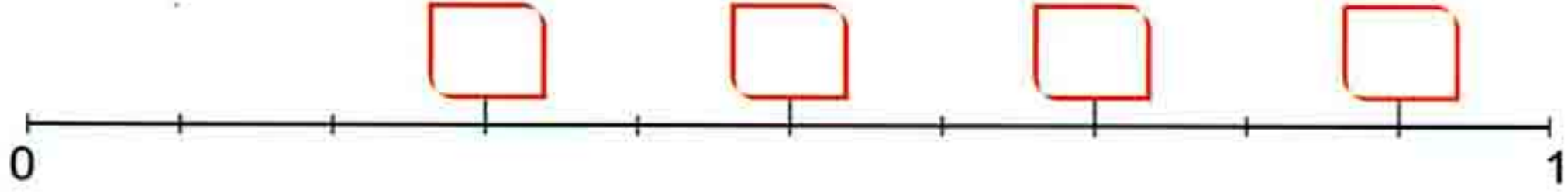
The order is :,,,

e $\frac{3}{8}, 1, \frac{1}{8}, \frac{1}{2}$

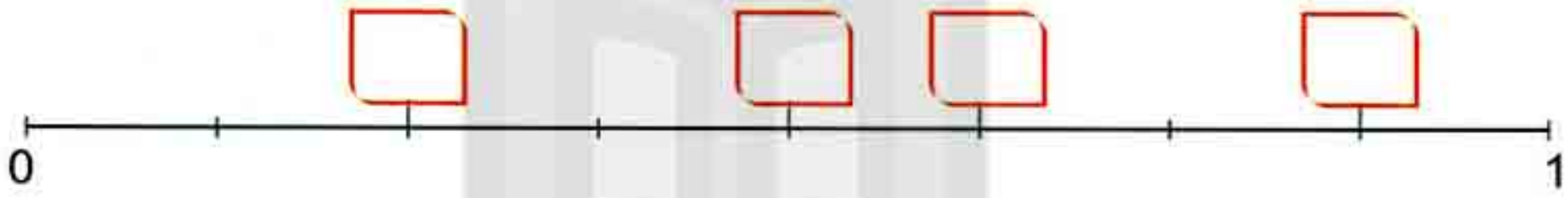
The order is :,,,

12 Place each of the following fractions in the suitable place :

a $\frac{7}{10}, \frac{9}{10}, \frac{1}{2}, \frac{3}{10}$



b $\frac{5}{8}, \frac{7}{8}, \frac{1}{2}, \frac{1}{4}$



13 Complete as in the example :

Example

$$\frac{1}{4} + \frac{2}{4} = \frac{3}{4} \quad \frac{5}{9} - \frac{3}{9} = \frac{2}{9} \quad 1 - \frac{1}{7} = \frac{6}{7}$$

a $\frac{1}{5} + \frac{2}{5} = \dots$

b $\frac{5}{7} + \frac{1}{7} = \dots$

c $\frac{7}{9} - \frac{5}{9} = \dots$

d $\frac{6}{11} - \frac{3}{11} = \dots$

e $\frac{2}{7} + \dots = \frac{6}{7}$

f $\frac{2}{5} + \dots = \frac{3}{5}$

g $\frac{4}{7} - \dots = \frac{1}{7}$

h $\frac{3}{4} + \dots = 1$

i $1 - \frac{1}{4} = \dots$

j $1 - \dots = \frac{1}{5}$

Exercise

2

Fractions

From the school book

1 Put (✓) for the correct statement and (×) for the incorrect ones :

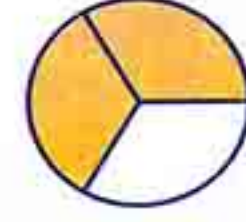
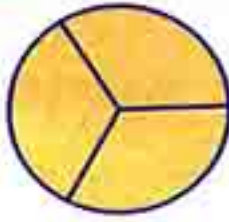
- a $\frac{2}{5}$ is an improper fraction. ()
- b $\frac{7}{5}$ is an improper fraction. ()
- c $\frac{17}{12}$ is a proper fraction. ()
- d $\frac{11}{15}$ is a proper fraction. ()
- e $5\frac{7}{8}$ is a mixed number. ()
- f $\frac{25}{3}$ is a mixed number. ()

2 State which is a proper fraction, an improper fraction or a mixed number in each of the following :

- a $\frac{5}{6}$ b $\frac{6}{5}$ c $\frac{12}{7}$
- d $\frac{6}{7}$ e $5\frac{3}{8}$ f $3\frac{5}{12}$

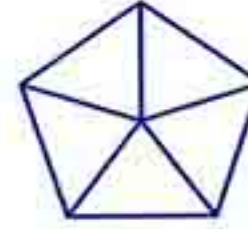
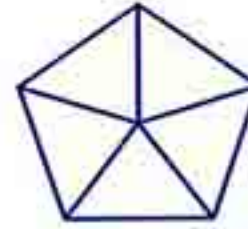
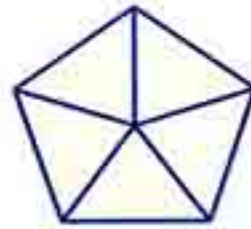
3 Complete as in the example :

Example



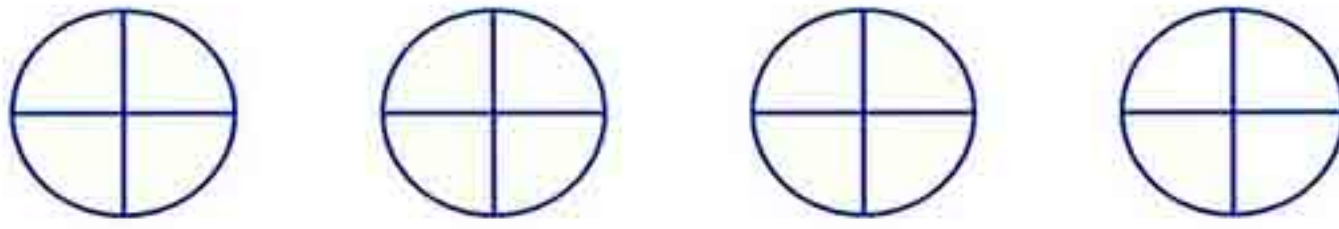
$$2\frac{2}{3} = \frac{8}{3}$$

a



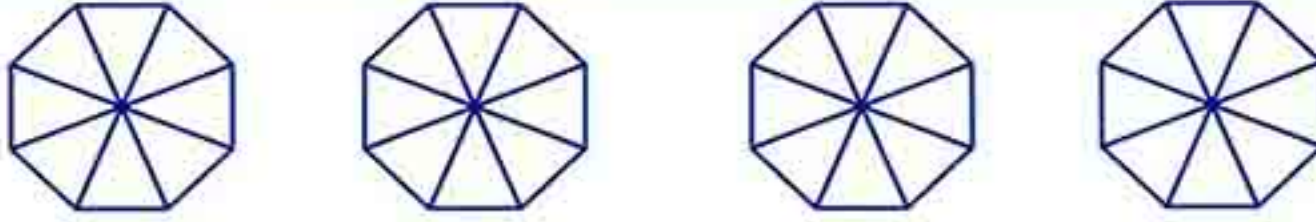
$$\dots\dots\dots = \dots\dots\dots$$

b



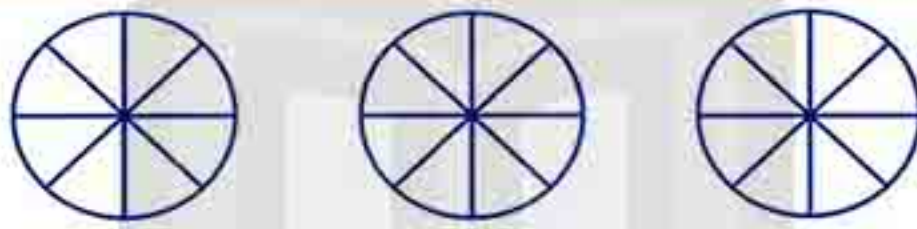
$$\dots\dots\dots = \dots\dots\dots = \dots\dots\dots$$

c



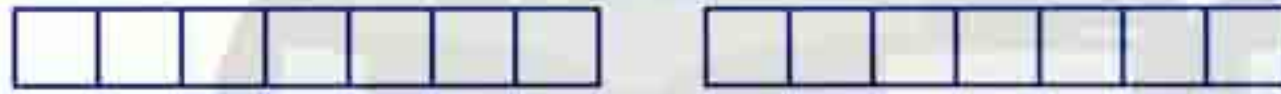
$$\dots\dots\dots = \dots\dots\dots = \dots\dots\dots$$

d



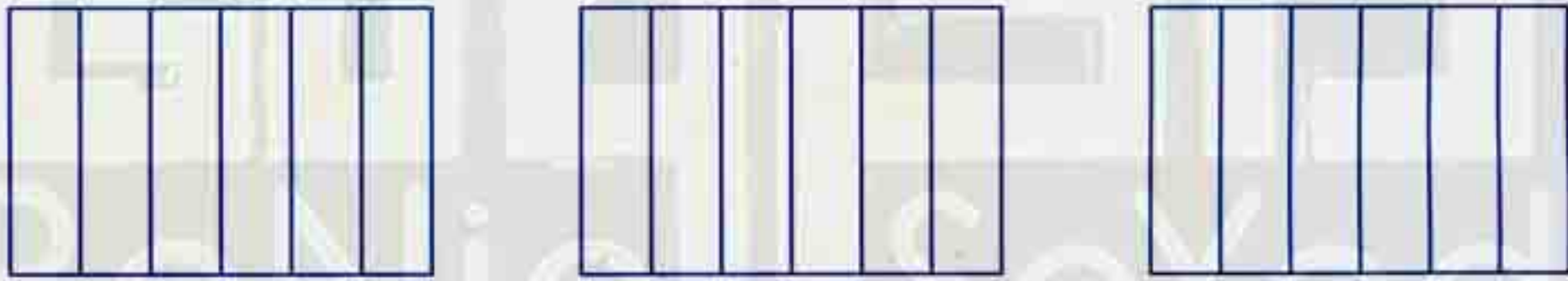
$$\dots\dots\dots = \dots\dots\dots = \dots\dots\dots$$

e



$$\dots\dots\dots = \dots\dots\dots = \dots\dots\dots$$

f



$$\dots\dots\dots = \dots\dots\dots = \dots\dots\dots$$

4 Complete as in the example :

Example

$$\bullet 5 = \frac{5}{1}$$

$$\bullet 6 = \frac{12}{2}$$

$$\bullet 5 = \frac{30}{6}$$

a $8 = \frac{\dots\dots\dots}{1}$

b $3 = \frac{\dots\dots\dots}{2}$

c $3 = \frac{\dots\dots\dots}{3}$

d $5 = \frac{\dots\dots\dots}{2}$

e $\frac{9}{9} = \dots\dots\dots$

f $\frac{18}{\dots\dots\dots} = 3$

g $10 = \frac{50}{\dots\dots\dots}$

h $11 = \frac{33}{\dots\dots\dots}$

i $7 = \frac{\dots\dots\dots}{10}$

j $\dots\dots\dots = \frac{24}{6}$

k $2 = \frac{12}{\dots\dots\dots}$

l $6 = \frac{\dots\dots\dots}{6}$

Lesson

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5 Complete as in the example :

Example

$$\frac{39}{4} = \frac{36}{4} + \frac{3}{4} = 9 + \frac{3}{4} = 9 \frac{3}{4}$$

a $\frac{65}{9} = \frac{\dots}{9} + \frac{2}{9} = \dots + \frac{2}{9} = \dots \frac{2}{9}$

b $\frac{47}{8} = \frac{\dots}{8} + \frac{7}{8} = \dots + \frac{7}{8} = \dots \frac{7}{8}$

c $\frac{87}{7} = \frac{\dots}{7} + \frac{3}{7} = \dots + \frac{3}{7} = \dots \frac{3}{7}$

d $\frac{57}{5} = \frac{\dots}{5} + \frac{\dots}{5} = \dots + \frac{\dots}{5} = \dots \frac{\dots}{5}$

6 Write each of the following as an improper fraction as in the example :

Example

$$2 \frac{1}{3} = \frac{7}{3}$$

a $4 \frac{1}{2} = \frac{\dots}{\dots}$

b $3 \frac{1}{2} = \frac{\dots}{\dots}$

c $3 \frac{1}{4} = \frac{\dots}{\dots}$

d $10 \frac{1}{2} = \frac{\dots}{\dots}$

e $2 \frac{1}{5} = \frac{\dots}{\dots}$

f $3 \frac{4}{5} = \frac{\dots}{\dots}$

g $5 \frac{1}{6} = \frac{\dots}{\dots}$

h $8 \frac{2}{7} = \frac{\dots}{\dots}$

i $7 \frac{8}{11} = \frac{\dots}{\dots}$

j $4 \frac{1}{10} = \frac{\dots}{\dots}$

k $5 \frac{7}{12} = \frac{\dots}{\dots}$

7 Write each of the following improper fractions as a mixed number in the simplest form as in the example :

Example

$$\frac{8}{3} = 2 \frac{2}{3}$$

a $\frac{5}{4} = \dots \frac{\dots}{\dots}$

b $\frac{11}{10} = \dots \frac{\dots}{\dots}$

c $\frac{17}{4} = \dots \frac{\dots}{\dots}$

d $\frac{19}{8} = \dots \frac{\dots}{\dots}$

e $\frac{9}{2} = \dots \frac{\dots}{\dots}$

f $\frac{43}{7} = \dots \frac{\dots}{\dots}$

g $\frac{37}{6} = \dots \frac{\dots}{\dots}$

h $\frac{63}{10} = \dots \frac{\dots}{\dots}$

i $\frac{22}{6} = \dots = \dots \frac{\dots}{\dots}$

j $\frac{35}{21} = \dots = \dots \frac{\dots}{\dots}$

k $\frac{45}{36} = \dots = \dots \frac{\dots}{\dots}$

8 Put the suitable relation ($<$, $>$ or $=$) :

a $\frac{3}{4}$ $\frac{2}{5}$

b $\frac{5}{6}$ $\frac{2}{3}$

c $\frac{5}{8}$ $\frac{2}{3}$

d $\frac{7}{9}$ $\frac{3}{4}$

e $\frac{5}{2}$ $\frac{3}{5}$

f $\frac{2}{5}$ $\frac{5}{10}$

g $\frac{4}{5}$ $\frac{3}{7}$

h $\frac{6}{7}$ $\frac{5}{6}$

i $\frac{8}{12}$ $\frac{2}{3}$

j 1 $\frac{5}{3}$

k $2\frac{1}{4}$ $2\frac{1}{3}$

l $\frac{8}{5}$ $1\frac{1}{6}$

9 Compare the following fractions :

a $\frac{7}{3}$, $\frac{4}{5}$

b $\frac{5}{6}$, $\frac{7}{8}$

c $\frac{7}{12}$, $\frac{5}{6}$

d $\frac{8}{9}$, $\frac{9}{10}$

e $\frac{5}{42}$, $\frac{3}{7}$

f $2\frac{3}{4}$, $\frac{5}{2}$

g $2\frac{7}{9}$, $2\frac{3}{5}$

h $5\frac{6}{7}$, $5\frac{7}{8}$

10 Arrange each of the following in an ascending order :

a $\frac{3}{5}$, $\frac{2}{3}$ and $\frac{7}{15}$

The order is : , ,

b $\frac{1}{3}$, $\frac{3}{4}$, $\frac{5}{6}$ and $\frac{7}{12}$

The order is : , , ,

c $\frac{2}{3}$, $\frac{8}{9}$, $\frac{5}{12}$ and $\frac{11}{36}$

The order is : , , ,

d $\frac{15}{8}$, $1\frac{1}{6}$, $1\frac{11}{12}$ and $\frac{31}{24}$

The order is : , , ,

11 Arrange each of the following in a descending order :

a $\frac{3}{7}$, $\frac{5}{21}$ and $\frac{1}{3}$

The order is : , ,

b $\frac{2}{3}$, $\frac{3}{8}$, $\frac{1}{6}$ and $\frac{5}{12}$

The order is : , , ,

Lesson

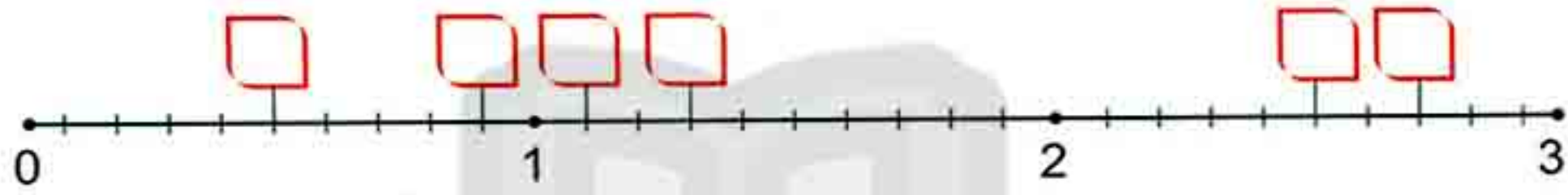
2

c $\frac{3}{5}$, $\frac{1}{2}$, $\frac{9}{10}$ and $\frac{1}{4}$ The order is : , , ,

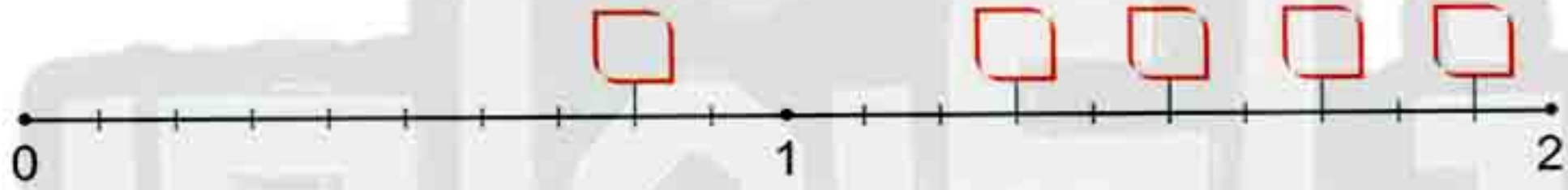
d $1\frac{1}{2}$, $1\frac{3}{8}$, $\frac{31}{16}$ and $\frac{23}{24}$ The order is : , , ,

12 Write each of the following in its suitable place on the number line :

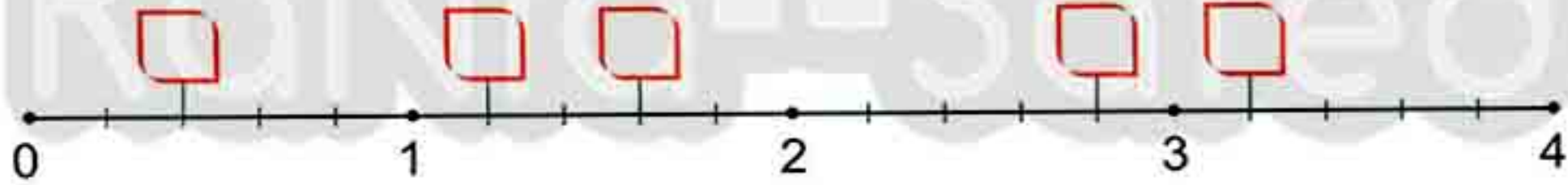
a $1\frac{1}{10}$, $2\frac{1}{2}$, $\frac{9}{10}$, $1\frac{3}{10}$, $2\frac{7}{10}$, $\frac{1}{2}$



b $\frac{13}{10}$, $\frac{19}{10}$, $\frac{17}{10}$, $\frac{4}{5}$, $\frac{3}{2}$



c $1\frac{3}{5}$, $1\frac{1}{5}$, $\frac{2}{5}$, $3\frac{1}{5}$, $2\frac{4}{5}$



13 Find the result of the following as a mixed number :

a $\frac{5}{9} + \frac{3}{9} + \frac{4}{9}$

b $\frac{3}{8} + \frac{2}{8} + \frac{4}{8}$

c $\frac{2}{11} + \frac{5}{11} + \frac{7}{11}$

d $\frac{2}{3} + \frac{4}{3} + \frac{1}{3}$

e $(\frac{4}{7} + \frac{5}{7}) - \frac{1}{7}$

f $(\frac{8}{15} + \frac{13}{15}) - \frac{4}{15}$

g $(\frac{3}{5} + \frac{6}{5}) + 1$

h $(\frac{7}{9} - \frac{2}{9}) + \frac{4}{9}$

Exercise

3

Adding and subtracting the fractions have different denominators

From the school book

1 Add :

a $\frac{1}{3} + \frac{1}{4}$

b $\frac{1}{5} + \frac{1}{3}$

c $\frac{1}{2} + \frac{1}{7}$

d $\frac{1}{4} + \frac{1}{8}$

e $\frac{1}{6} + \frac{1}{8}$

f $\frac{3}{7} + \frac{1}{6}$

g $\frac{2}{3} + \frac{3}{4}$

h $\frac{3}{7} + \frac{4}{5}$

i $\frac{1}{4} + \frac{3}{10}$

j $\frac{7}{8} + \frac{5}{6}$

k $\frac{2}{3} + \frac{7}{8}$

l $\frac{5}{9} + \frac{2}{5}$

2 Subtract :

a $\frac{1}{3} - \frac{1}{5}$

b $\frac{5}{6} - \frac{1}{2}$

c $\frac{5}{6} - \frac{1}{3}$

d $\frac{1}{4} - \frac{1}{5}$

e $\frac{4}{7} - \frac{1}{3}$

f $\frac{2}{3} - \frac{1}{6}$

g $\frac{2}{5} - \frac{1}{10}$

h $\frac{4}{5} - \frac{1}{4}$

i $\frac{9}{10} - \frac{3}{5}$

j $\frac{5}{6} - \frac{2}{3}$

k $\frac{7}{8} - \frac{2}{5}$

l $\frac{5}{6} - \frac{3}{8}$

3 Choose the correct answer :

a $\frac{1}{4} + \frac{1}{5} = \dots\dots\dots$

$(\frac{2}{9} \text{ or } \frac{9}{20} \text{ or } \frac{1}{20} \text{ or } \frac{2}{10})$

b $\frac{1}{4} + \frac{2}{3} = \dots\dots\dots$

$(\frac{11}{12} \text{ or } \frac{2}{12} \text{ or } \frac{3}{12} \text{ or } \frac{3}{7})$

c $\frac{2}{7} + \frac{2}{5} = \dots\dots\dots$

$(\frac{4}{35} \text{ or } \frac{4}{13} \text{ or } \frac{4}{12} \text{ or } \frac{24}{35})$

d $\frac{2}{5} + \frac{3}{8} = \dots\dots\dots$

$(\frac{5}{40} \text{ or } \frac{31}{40} \text{ or } \frac{6}{40} \text{ or } \frac{5}{13})$

e $\frac{5}{9} + \frac{1}{3} = \dots\dots\dots$

$(\frac{7}{9} \text{ or } \frac{6}{12} \text{ or } \frac{8}{9} \text{ or } \frac{5}{27})$

f $\frac{4}{5} - \frac{1}{20} = \dots\dots\dots$

$(\frac{7}{20} \text{ or } \frac{4}{3} \text{ or } \frac{3}{4} \text{ or } 1\frac{1}{5})$

g $\frac{6}{7} - \frac{1}{42} = \dots\dots\dots$

$(\frac{5}{6} \text{ or } \frac{6}{5} \text{ or } 1\frac{1}{7} \text{ or } \frac{36}{42})$

h $\frac{5}{6} - \frac{1}{30} = \dots\dots\dots$

$(1 \frac{1}{6} \text{ or } \frac{4}{5} \text{ or } \frac{4}{30} \text{ or } \frac{5}{4})$

i $8 - \frac{2}{3} = \dots\dots\dots$

$(\frac{6}{3} \text{ or } \frac{6}{5} \text{ or } 7 \frac{2}{3} \text{ or } 7 \frac{1}{3})$

4 Find the result in the simplest form :

a $3 \frac{1}{2} + 2 \frac{1}{4}$

b $3 \frac{1}{4} + 7 \frac{1}{3}$

c $4 \frac{1}{7} + 2 \frac{1}{2}$

d $6 \frac{1}{6} + 7 \frac{1}{7}$

e $9 \frac{2}{3} + 8 \frac{1}{5}$

f $6 \frac{4}{5} + 4 \frac{2}{3}$

g $2 \frac{5}{6} + \frac{8}{9}$

h $2 \frac{1}{2} + \frac{4}{5}$

5 Find the result in the simplest form :

a $4 \frac{2}{3} - 2 \frac{1}{4}$

b $3 \frac{1}{5} - 1 \frac{1}{6}$

c $10 \frac{1}{2} - 5 \frac{1}{3}$

d $9 \frac{3}{7} - 4 \frac{1}{6}$

e $8 \frac{11}{12} - 7 \frac{3}{4}$

f $10 \frac{1}{4} - 3 \frac{1}{12}$

g $5 \frac{5}{8} - 1 \frac{1}{3}$

h $9 \frac{1}{6} - 4 \frac{4}{9}$

i $4 \frac{1}{2} - \frac{1}{4}$

j $7 - \frac{1}{7}$

k $1 \frac{1}{2} - \frac{3}{4}$

l $1 \frac{4}{7} - \frac{10}{21}$

6 Find the result of each of the following in the simplest form :

a $\frac{1}{4} + \frac{2}{3} + \frac{1}{2}$

b $\frac{1}{5} + \frac{7}{10} + \frac{4}{15}$

c $2 \frac{1}{3} + 3 \frac{1}{5} + 7 \frac{1}{6}$

d $7 \frac{1}{4} + \frac{1}{6} + 1 \frac{1}{3}$

e $(3 \frac{3}{4} + 1 \frac{7}{8}) - 2 \frac{5}{6}$

f $(2 \frac{2}{3} + \frac{1}{5}) - \frac{4}{5}$

g $(6 \frac{3}{4} + 2 \frac{1}{8}) - 7 \frac{1}{2}$

h $(8 \frac{3}{4} - 2 \frac{1}{2}) + 3 \frac{1}{8}$

i $(3 \frac{1}{4} + 1 \frac{1}{3}) - \frac{15}{12}$

j $(7 \frac{2}{5} + 4 \frac{1}{6}) - \frac{32}{30}$

Real Life Problems


- a One day , a flock of birds flew $6 \frac{1}{3}$ hours. The next day , the birds flew $8 \frac{1}{2}$ hours. How many hours did the birds fly during the two days ?
-

- b Look at the following table and answer the following questions :

1. How many more hours of sleep are needed by a 1-year old child than by a 5-year old child ?
-
2. How many more hours of sleep are needed by a 35-year old adult than by a 65-year old adult ?
-

Age in Years	Hours of Sleep Needed
1	$13 \frac{1}{3}$
5	$10 \frac{1}{2}$
35	8
65	$5 \frac{1}{3}$

3. A 35-year old adult slept $5 \frac{1}{2}$ hours in the morning and $4 \frac{2}{3}$ hours at night. How much more sleep is this than the amount needed ?
-

- c  Ahmed has L.E. 10 bought a pen for L.E. $3 \frac{1}{4}$ and notebook for L.E. $2 \frac{1}{4}$ Find the remainder with Ahmed.
-

Exercise

4

Decimal numbers

From the school book

1 Write each of the following using the decimal point as in the example :

Example

$$\bullet 2 \frac{9}{10} = 2.9$$

$$\bullet \frac{7}{10} = 0.7$$

a $7 \frac{2}{10} = \dots\dots\dots$

b $5 \frac{1}{10} = \dots\dots\dots$

c $8 \frac{7}{10} = \dots\dots\dots$

d $\frac{4}{10} = \dots\dots\dots$

e $\frac{1}{10} = \dots\dots\dots$

f $15 \frac{3}{10} = \dots\dots\dots$

g $45 \frac{8}{10} = \dots\dots\dots$

h $10 \frac{7}{10} = \dots\dots\dots$

i $142 \frac{5}{10} = \dots\dots\dots$

2 Convert each of the following decimal numbers to a proper fraction or a mixed number as in the example :

Example

$$\bullet 8.1 = 8 \frac{1}{10}$$

$$\bullet 0.6 = \frac{6}{10}$$

a $9.4 = \dots\dots\dots$

b $1.2 = \dots\dots\dots$

c $6.7 = \dots\dots\dots$

d $0.3 = \dots\dots\dots$

e $97.1 = \dots\dots\dots$

f $345.7 = \dots\dots\dots$

3 Convert each of the following into a decimal form as in the example :

Example

$$\bullet \frac{5}{2} = \frac{5 \times 5}{2 \times 5} = \frac{25}{10} = 2.5$$

$$\bullet 3 \frac{1}{5} = 3 \frac{1 \times 2}{5 \times 2} = 3 \frac{2}{10} = 3.2$$

$$\bullet \frac{18}{30} = \frac{18 \div 3}{30 \div 3} = \frac{6}{10} = 0.6$$

a $\frac{9}{2} = \dots\dots\dots = \dots\dots\dots = \dots\dots\dots$

b $\frac{7}{2} = \dots\dots\dots = \dots\dots\dots = \dots\dots\dots$

c $\frac{9}{5} = \dots = \dots = \dots$

d $\frac{1}{2} = \dots = \dots = \dots$

e $\frac{15}{2} = \dots = \dots = \dots$

f $4\frac{3}{5} = \dots = \dots = \dots$

g $248\frac{1}{2} = \dots = \dots = \dots$

h $\frac{14}{20} = \dots = \dots = \dots$

i $\frac{15}{50} = \dots = \dots = \dots$

4 Write in digits each of the following numbers as in the example :

Example

• Four and six tenths \longrightarrow 4.6

• Eight hundred, fifty three and two tenths \longrightarrow 853.2

a Seven tenths \longrightarrow

b Five and eight tenths \longrightarrow

c Eighteen and six tenths \longrightarrow

d Seventy-six and three tenths \longrightarrow

e Six hundred, thirty-five and nine tenths \longrightarrow

f Nine hundred, forty and one tenth \longrightarrow

g Three hundred, one and five tenths \longrightarrow

h Two thousand, seven hundred, sixteen and eight tenths \longrightarrow

Lesson

4

5 Write in words each of the following numbers as in the example :

Example

239.4 → Two hundred, thirty-nine and four tenths.

a 7.3 →


b 21.4 →

c 720.6 →

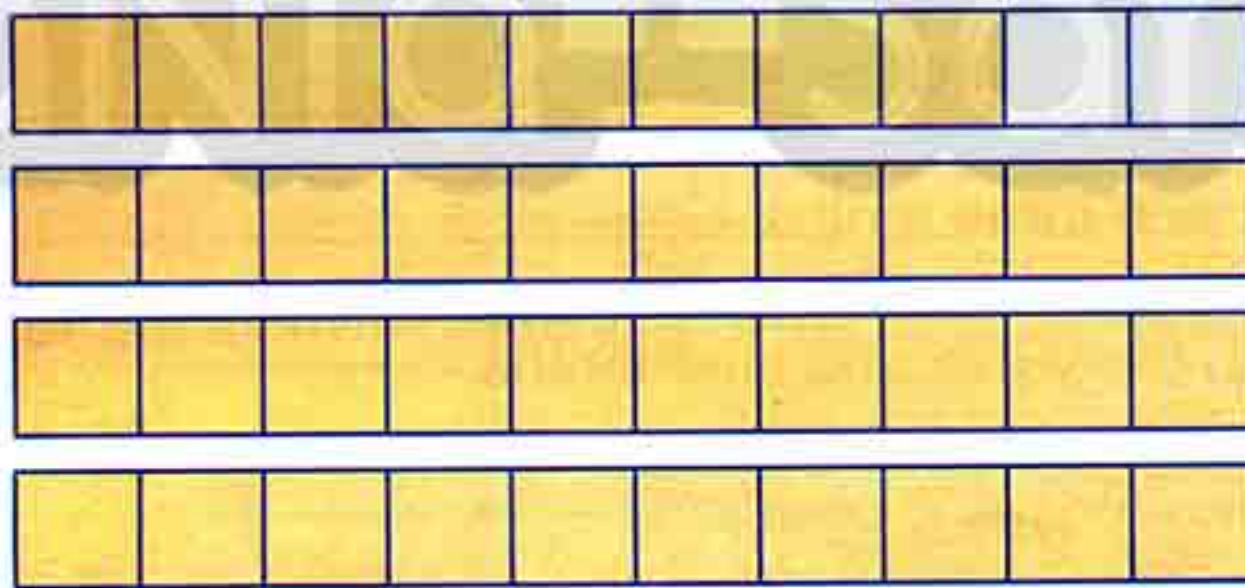
d 146.7 →

e 0.2 →

f 2 008.7 →

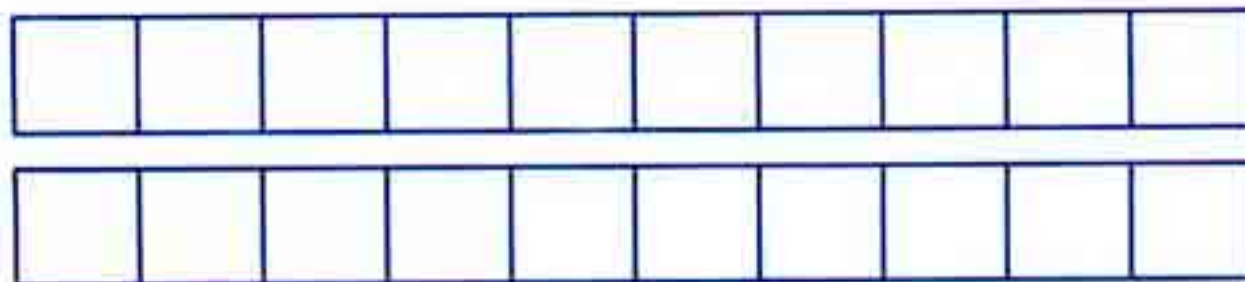
6 If the coloured figure  represents the number 1 (one unit), write the number that represents the coloured parts of each of the following figures as in the example :

Example



3.8

a



.....

b

.....

c

--	--	--	--	--	--	--	--	--	--

.....

d


.....

e

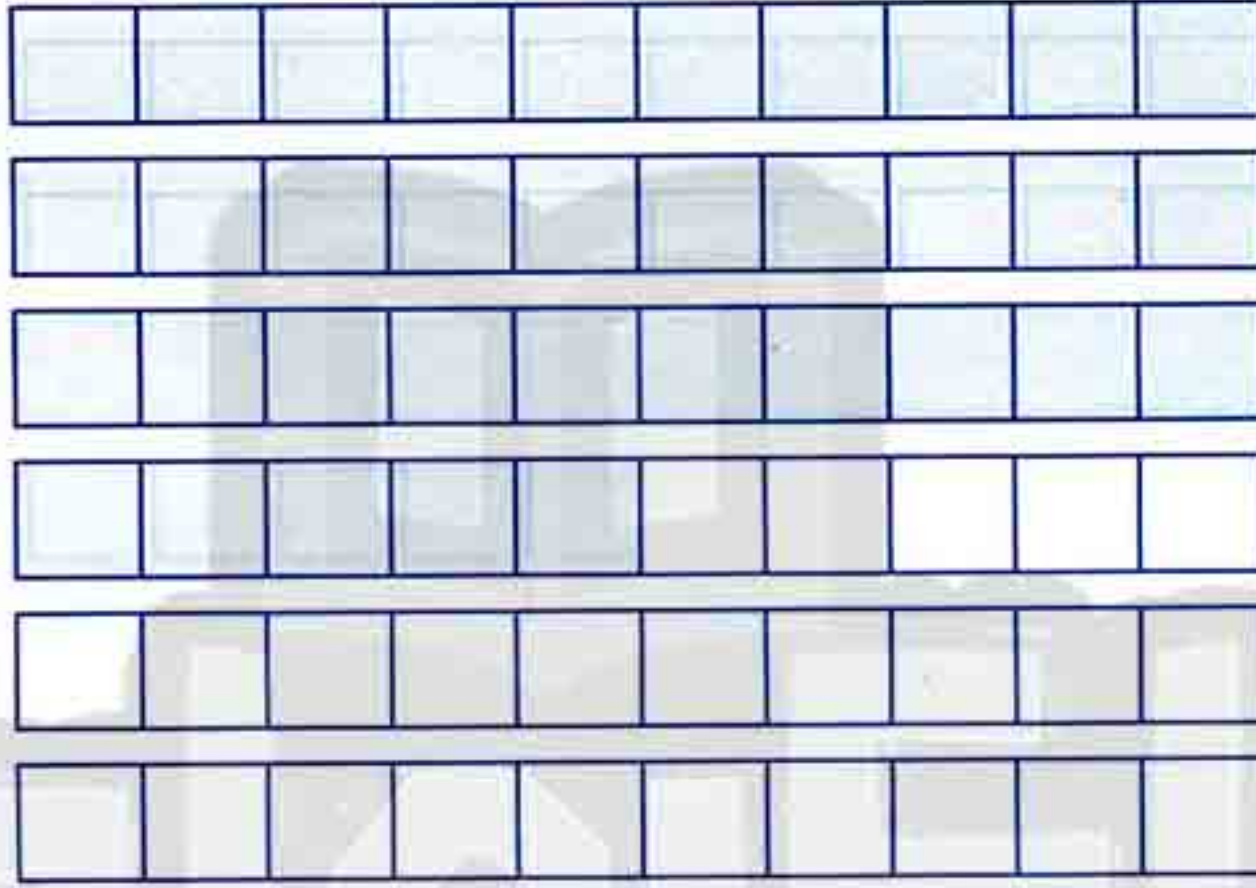
.....

Lesson

4

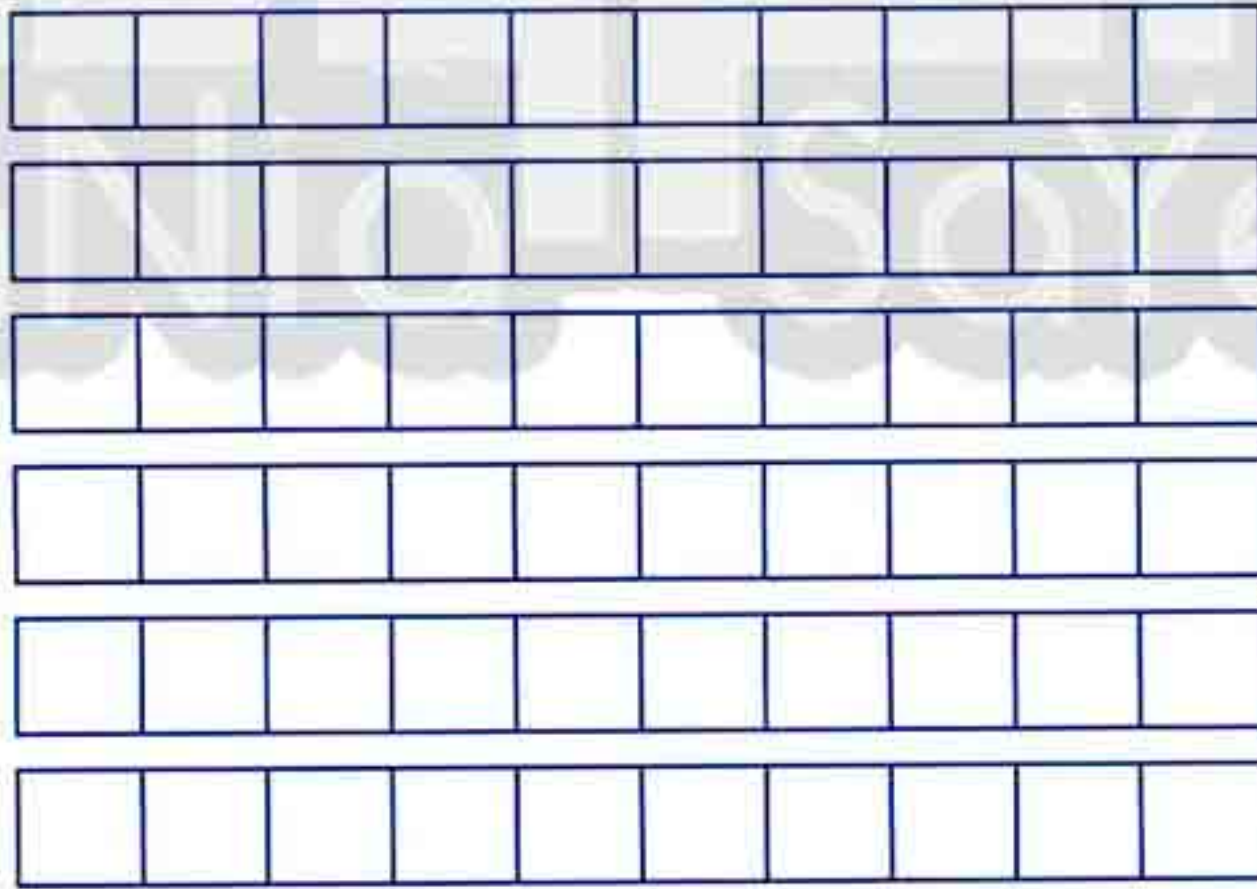
- 7 If the figure  represents the number 1 (one unit), colour the part of each of the following figures that represents the given decimal number in each of the following as in the example :

Example



3.5

a



2.7

b

4.8

c



0.9

d

 $\frac{2}{5}$


Lesson

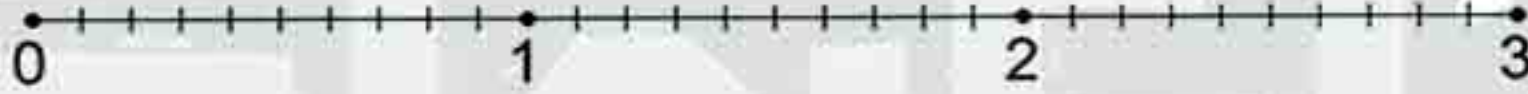
4

e

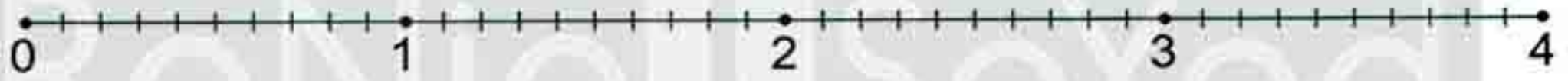
 $\frac{26}{10}$

8 Represent each of the following numbers on the number line :

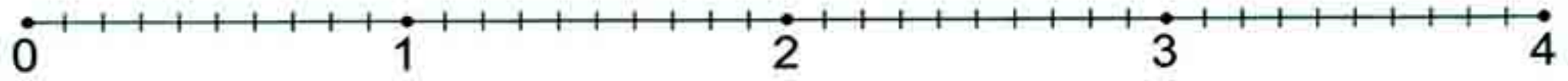
a  2.1 , 0.3 , 0.7 , 2.6 , 1.4



b 1.4 , 0.3 , 3.7 , 2.8 , 0.9 , 3.2

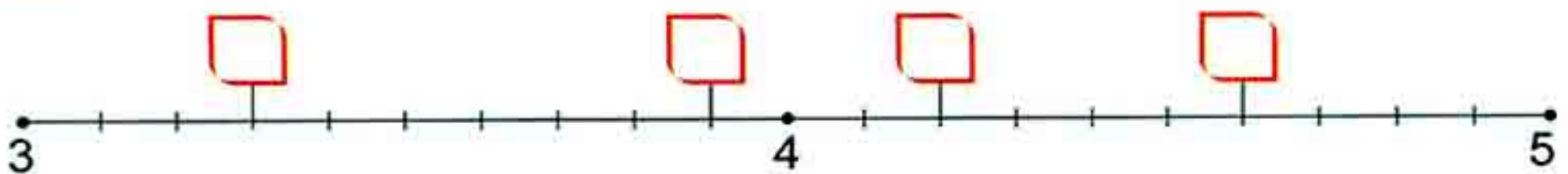


c $3\frac{2}{10}$, $1\frac{7}{10}$, $2\frac{9}{10}$, $\frac{3}{10}$, $1\frac{5}{10}$, $\frac{6}{10}$

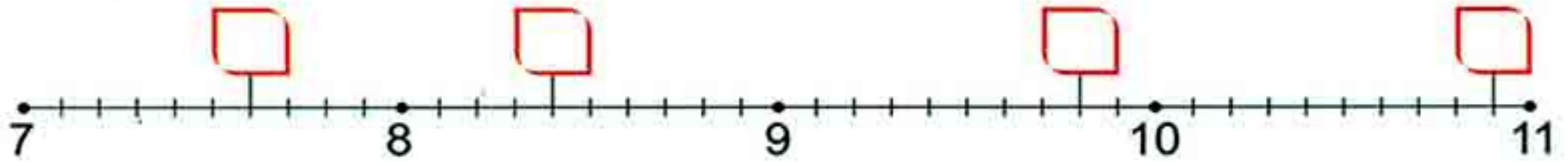


9 Write the suitable number according to its place on the number line in each of the following cases :

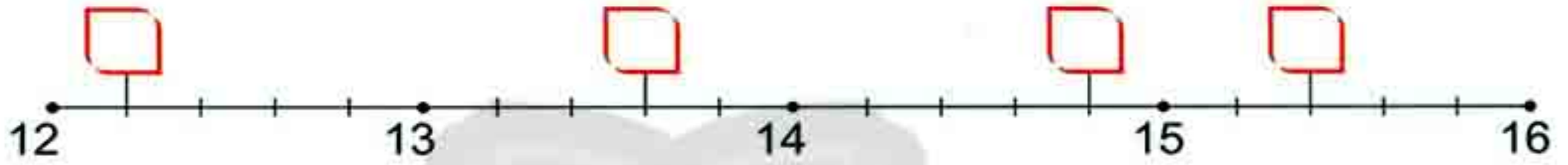
a 



b



c



10 Complete the table as in the example :

	Number	Hundreds	Tens	Units	Tenths
Ex	308.7	3	0	8	7
a	416.9	.....	.....	.....	.....
b	51.3	.....	.....	.....	.....
c	502.7	.....	.....	.....	.....
d	137	.....	.....	.....	.....
e	.....	4	8	3	1
f	.....	0	6	0	9
g	.....	7	0	0	3

11 Complete as in the example :

Example

$$249.8 = 8 \text{ tenths} + 9 \text{ units} + 4 \text{ tens} + 2 \text{ hundreds}$$

a $756.2 = \dots\dots\dots$ tenths + $\dots\dots\dots$ units + $\dots\dots\dots$ tens + $\dots\dots\dots$ hundreds

b $300.1 = \dots\dots\dots$ tenth + $\dots\dots\dots$ units + $\dots\dots\dots$ tens + $\dots\dots\dots$ hundreds

c $57.3 = \dots\dots\dots$ tenths + $\dots\dots\dots$ units + $\dots\dots\dots$ tens + $\dots\dots\dots$ hundreds

Lesson

4

d $197 = \dots\dots\dots$ tenths + $\dots\dots\dots$ units + $\dots\dots\dots$ tens + $\dots\dots\dots$ hundreds

e $\dots\dots\dots = 1$ tenth + 0 units + 4 tens + 0 hundreds

12 Complete as in the example :

Example

$$3.2 = 3 + 0.2$$

a $5.6 = 5 + \dots\dots\dots$

b $9.1 = \dots\dots\dots + 0.1$

c $8.3 = \dots\dots\dots + 0.3$

d $7.2 = \dots\dots\dots + 0.2$

e $7.4 = \dots\dots\dots + \dots\dots\dots$

f $\dots\dots\dots = 6 + 0.3$

g $\dots\dots\dots = 38 + 0.6$

h $\dots\dots\dots = 0.2 + 3$

13 Complete as in the example :

Example

$$0.3 + 0.7 = 1$$

a $\dots\dots\dots + 0.4 = 1$

b $0.1 + \dots\dots\dots = 1$

c $\dots\dots\dots + 0.5 = 1$

d $\dots\dots\dots + 0.2 = 1$

e $0.1 + 0.2 + \dots\dots\dots = 1$

f $0.3 + 0.3 + \dots\dots\dots = 1$

g $0.4 + 0.3 + \dots\dots\dots = 1$

h $0.1 + 0.8 + \dots\dots\dots = 1$

14 Underline the tens digit and circle the tenths digit in each of the following numbers as in the example :

Example

$$5 \underline{4} 2. \textcircled{3}$$

a 168.4

b 814.3

c 79.5

d 100.1

e $2\,060.9$

f $5\,432.1$

Exercise

5

More about decimal numbers

From the school book

1 Write each of the following as a decimal number as in the example :

Example

$$\bullet 5 \frac{27}{100} = 5.27$$

$$\bullet 2 \frac{5}{1000} = 2.005$$

a $8 \frac{27}{100} = \dots\dots\dots$

b $\frac{7}{100} = \dots\dots\dots$

c $\frac{25}{1000} = \dots\dots\dots$

d $26 \frac{153}{1000} = \dots\dots\dots$

e $8 \frac{7}{100} = \dots\dots\dots$

f $63 \frac{17}{1000} = \dots\dots\dots$

g $3 \frac{1}{100} = \dots\dots\dots$

h $\frac{207}{100} = \dots\dots\dots$

i $\frac{5004}{1000} = \dots\dots\dots$

2 Express each of the following decimal numbers by a fraction or a mixed number as in the example :

Example

$$\bullet 5.11 = 5 \frac{11}{100}$$

$$\bullet 12.017 = 12 \frac{17}{1000}$$

a $16.72 = \dots\dots\dots$

b $17.23 = \dots\dots\dots$

c $125.174 = \dots\dots\dots$

d $0.65 = \dots\dots\dots$

e $6.09 = \dots\dots\dots$

f $5.017 = \dots\dots\dots$

g $28.001 = \dots\dots\dots$

h $0.004 = \dots\dots\dots$

i $17.17 = \dots\dots\dots$

3 Write each of the following decimal number as an improper fraction :

Example

$$\bullet 3.24 = \frac{324}{100}$$

$$\bullet 4.005 = \frac{4005}{1000}$$

a $4.53 = \dots\dots\dots$

b $24.512 = \dots\dots\dots$

c $0.507 = \dots\dots\dots$

d $2.001 = \dots\dots\dots$

e $10.001 = \dots\dots\dots$

f $47.47 = \dots\dots\dots$

4 Convert each of the following into a decimal form as in the example :

Example

$$\bullet \frac{9}{50} = \frac{9 \times 2}{50 \times 2} = \frac{18}{100} = 0.18$$

$$\bullet 2 \frac{6}{200} = 2 \frac{6 \div 2}{200 \div 2} = 2 \frac{3}{100} = 2.03$$

a $\frac{3}{50} = \dots = \dots = \dots$

b $13 \frac{8}{25} = \dots = \dots = \dots$

c $108 \frac{1}{4} = \dots = \dots = \dots$

d $7 \frac{1}{20} = \dots = \dots = \dots$

e $26 \frac{1}{25} = \dots = \dots = \dots$

f $127 \frac{16}{800} = \dots = \dots = \dots$

g $\frac{187}{250} = \dots = \dots = \dots$

h $\frac{37}{500} = \dots = \dots = \dots$

i $18 \frac{21}{70} = \dots = \dots = \dots$

j $\frac{14}{2000} = \dots = \dots = \dots$

k $\frac{1002}{300} = \dots = \dots = \dots$



Remember that :

- $2 \times 5 = 10$
- $2 \times 50 = 100$
- $2 \times 500 = 1\ 000$
- $5 \times 20 = 100$
- $5 \times 200 = 1\ 000$
- $4 \times 25 = 100$
- $4 \times 250 = 1\ 000$
- $25 \times 40 = 1\ 000$
- $8 \times 125 = 1\ 000$

5 Write in digits each of the following numbers as in the example :

Example

One hundred , forty-seven and twenty five hundredths \longrightarrow 147.25

a Six and two hundredths \longrightarrow

b Three hundred thousandths \longrightarrow

c Twenty two and thirty-five hundredths \longrightarrow

d Nine hundredths \longrightarrow

Lesson

5

- e One hundred and forty-nine thousandths →
- f Eleven thousandths →
- g Forty-four and four thousandths →

6 Express in words each of the following numbers as in the example :

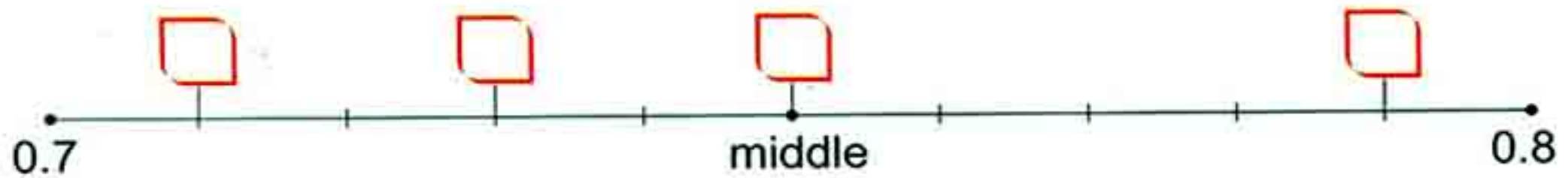
Example

4.571 → Four and five hundred seventy one thousandths.

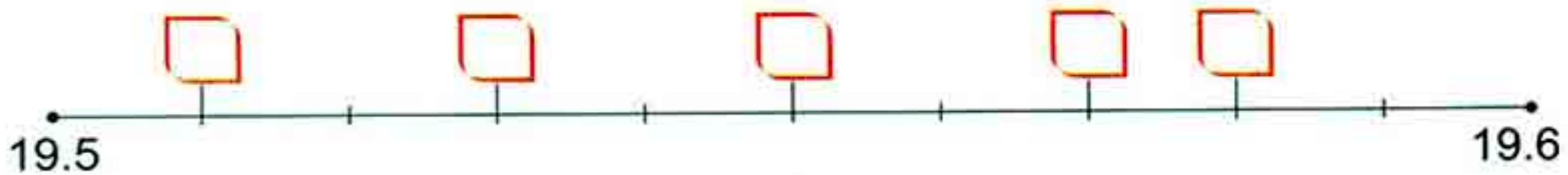
- a 0.35 →
- b 9.73 →
- c 49.347 →
- d 2.09 →
- e 0.318 →
- f 64.075 →
- g 125.007 →

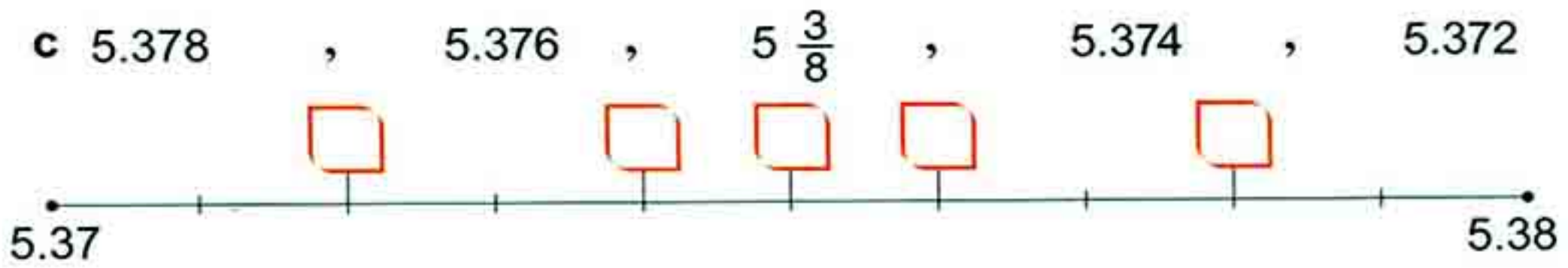
7 Write the suitable number inside each rectangle according to its place on the number line :

- a  0.75 , 0.79 , 0.73 , 0.71

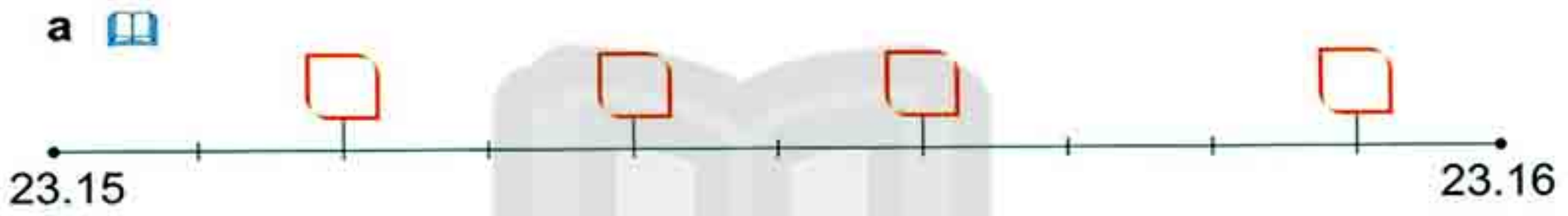


- b 19.57 , 19.53 , 19.58 , 19.51 , 19.55





8 Write the suitable number inside each rectangle according to its place on the number line :



9 Complete the following table as in the example :

	Number	Hundreds	Tens	Units	Tenths	Hundredths	Thousandths
<i>Ex</i>	234.706	2	3	4	7	0	6
a	416.139	.....	.....	.....	.....	.....	.....
b	629.041	.....	.....	.....	.....	.....	.....
c	70.287	.....	.....	.....	.....	.....	.....
d	906.57	.....	.....	.....	.....	.....	.....
e	.....	9	0	1	4	3	.....
f	.....	.....	5	0	0	1	8
g	318	.....	.....	.....	.....	.....	.....

Lesson

5

- 10 Underline the units digit and circle the hundredths digit in each of the following numbers as in the example :

Example

24.1 8 7

- a 741.357 b 4.503 c 62.35
 d 0.241 e 23.034 f 0.104
 g 604.16 h 0.004 i 220.13

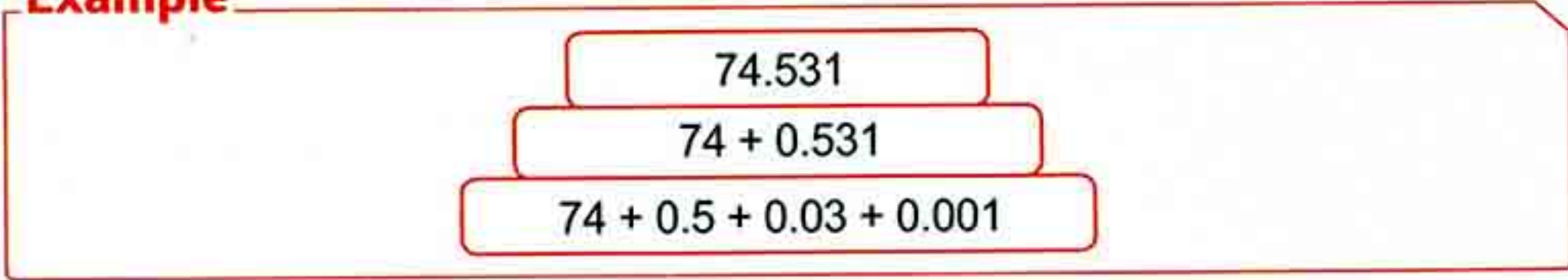
- 11 Write the value of the underlined digit in each of the following numbers as in the example :

	Number	The value of the underlined digit
Ex	761.2 <u>8</u> 4	$\frac{8}{100}$
a	290.6 <u>8</u> 1	.....
b	604.5 <u>7</u> 1	.....
c	522.10 <u>9</u>	.....
d	614.8 <u>3</u> 7	.....
e	31 <u>0</u> .208	.....
f	4 <u>8</u> 0.093	.....

اكتب ذاكرولي في البحث وانضم لجدوبات ذاكرولي
 مع رياض الاطفال للصف الثالث الاعدادي

12 Complete as in the example :

Example



a

8.746

b

$25 + 0.691$

c

$103 + 0.1 + 0.002$

13 Choose the correct answer :

a $5 \frac{3}{100} = \dots\dots\dots$ (5.3 or 5.03 or 3.5 or 5.30)

b $3.017 = 3 \frac{\dots\dots\dots}{\dots\dots\dots}$ ($\frac{17}{10}$ or $\frac{17}{100}$ or $\frac{17}{1000}$ or $\frac{7}{1}$)

c The value of 5 in 6.325 is $\dots\dots\dots$ (5 or $\frac{5}{10}$ or $\frac{5}{100}$ or $\frac{5}{1000}$)

d The place value of 5 in the number 12.358 is $\dots\dots\dots$
(tenths or tens or hundreds or hundredths)

e Five hundred, fifty and five thousandths = $\dots\dots\dots$
(5.505 or 55.05 or 550.05 or 550.005)

f Fifteen hundredths = $\dots\dots\dots$ (150 or 0.015 or 0.15 or 1.5)

g 45 tenths = $\dots\dots\dots$ (4.5 or 0.45 or 450 or 4.05)

14 I am an improper fraction, when you convert me into a decimal number, my whole part is 2, my decimal part consists of 3 digits. The hundredths digit is 6, the thousandths digit is 4 and the sum of my all digits is 15, find me.

Exercise

6

Comparing two decimal numbers
and ordering a set of decimal numbers

From the school book

1 Complete with suitable whole numbers as in the example :

Example

$$25 < 25.147 < 26$$

a < 24.9 <

b < 20.40 <

c < 754.25 <

d < 0.92 <

e < 6.542 <

f < 15.04 <

g < 208.5 <

h < 400.003 <

2 Mention 4 numbers between each of the following :

a 0.7 and 0.8

b 17 and 18

c 12.1 and 12.2

d 400.23 and 400.24

e 14.9 and 15

f 0.09 and 0.1

3 Which of the numbers inside the opposite rectangle lies :

a between 17 and 18 ?

b between 34 and 34.5 ?

c between 33 and 35 ?

d between 17 and 17.5 ?

e between 17 and 17.1 ?

f between 34 and 34.1 ?

34.2

34.07

17.03

17.019

34

17.7

Lesson 6

4 Put the suitable relation ($<$, $>$ or $=$) :

a $0.6 \square 0.3$

b $0.05 \square 0.09$

c $0.35 \square 0.5$

d $0.96 \square 0.69$

e $0.435 \square 0.534$

f $0.04 \square 0.40$

g $0.41 \square 0.389$

h $5.6 \square 5.60$

i $0.92 \square 1.02$

j $1 \square 0.999$

k $3.14 \square 3.2$

l $9.06 \square 9.5$

m $23.605 \square 23.65$

n $7.1 \square 7.09$

o $7 \square 1.7$

p $28.4 \square 2.84$

q $15.428 \square 15.43$

r $100 \square 99.999$

s $2\frac{1}{4} \square 2.23$

t $1.75 \square 1\frac{3}{4}$

u $1\frac{1}{2} \square 1.05$

v $3\frac{3}{4} \square 3.57$

w $3\frac{7}{25} \square 37.25$

x $8 + 0.2 + 0.06 \square 8.260$

y 3 tenths \square 30

z 54 tenths \square 54 hundredths

5 Which is greater :

a 16.3 or 6.63 ?

b 5.07 or 6 ?

c 3.24 or 3.42 ?

d 29.15 or 29.5 ?

6 Which is smaller :

a 3.5 or 3.05 ?

b 14.7 or 9.47 ?

c 27 or 23.9 ?

d 0.76 or 0.9 ?


7 Arrange the following numbers in an ascending order :

a 7.5 , 7.30 and 7.25

The order is : , and

b 0.45 , 0.70 and 0.42

The order is : , and

c  5.8 , 5.08 , 58 and 8.5


The order is : , , and

d 75.12 , 75.2 , 75.102 and 75.24

The order is : , , and

e  157 , 152.3 , 152.13 and 157.1

The order is : , , and

f  0.3 , 0.003 , 0.033 and 0.32

The order is : , , and

g 98.76 , 7.395 , 210.8 , 83.624 , 300.1 and 82

The order is : , , , , and

h $6\frac{1}{4}$, 6.2 , 6.3 and 6.35

The order is : , , and

i $\frac{11}{25}$, $\frac{3}{5}$, 0.4 and 0.06

The order is : , , and

j 3.08 , $3\frac{1}{4}$, 3 tenths and $3\frac{1}{2}$

The order is : , , and

Lesson

6

8 Arrange the following numbers in a descending order :

a 5.58 , 5.5 , 5.85 and 5.7

The order is : , , and

b 0.804 , 0.84 , 0.85 and 0.084

The order is : , , and

c 5.63 , $5\frac{36}{100}$, 500.36 and 5.063

The order is : , , and

d $\frac{1}{2}$, 0.05 , $\frac{1}{4}$ and 0.025

The order is : , , and

e $6\frac{1}{8}$, 6.0125 , 6.15 and 6.152

The order is : , , and

f $1\frac{1}{5}$, $1\frac{1}{10}$, 13 tenths and 1.5

The order is : , , and

9 Use the numbers : 1.3 , 3.2 , 10.04 , 3.12 , 3.215 and 1.12 to complete the following :

a The numbers that are greater than 3 are

b The numbers that are smaller than 3 are

c The smallest number is

d The greatest number is

e The numbers that are included between 1 and 3 are

f The numbers that are included between 2 and 4 are

g The numbers that are included between 3.15 and 3.25 are

h The order of the numbers in an ascending order is

10  Underline the equal numbers in each of the following groups :

- a 18.04 , 18.40 , 18.040, 18.44 and 1.840
 b 0.10 , 10.1 , 0.01 , 0.001 and 0.1
 c 5.73 , 5.703 , 5.730 , 5.073 , 5.073 and 50.73
 d 9.07 , 9.7 , 9.700 , 9.007 and 90.07

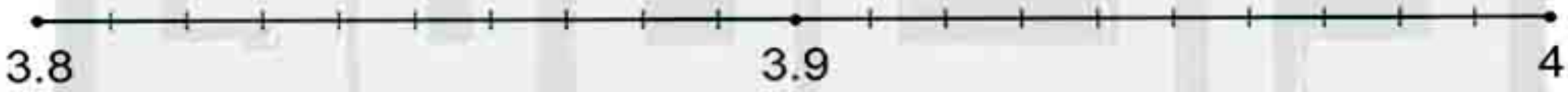
11 Write the following numbers in their suitable places on the number line, then arrange them ascendingly :

- a 5.5 , 6.3 , 6.7 , 5.2 and 5.9




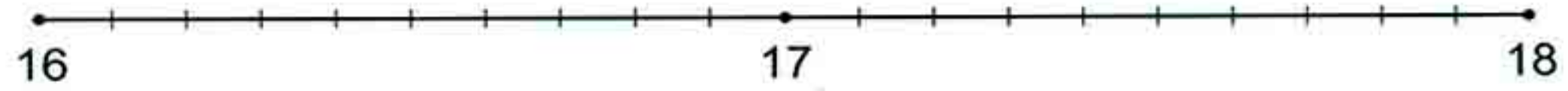
The order is : < < < <

- b 3.98 , 3.82 , 3.95 , 3.87 and 3.85




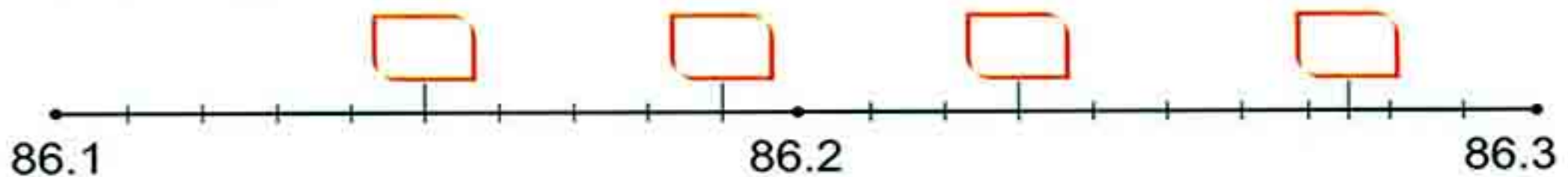
The order is : < < < <

- c  17.5 , 16.15 , 17.25 and 16.6



The order is : < < <

12  Write suitable numbers inside the rectangles, then arrange them descendingly :



The order is : > > >

Test on the first part of unit one

(from lesson 1 to lesson 6)



1 Choose the correct answer from the given ones :

- 1 Five and seven tenths = (7.5 or 5.7 or 0.57 or 0.75)
- 2 The place value of the digit 5 in the number 9.56 is
(units or tens or tenths or hundredths)
- 3 $\frac{18}{4} = \dots\dots\dots$ ($4\frac{1}{2}$ or $4\frac{2}{3}$ or $4\frac{3}{5}$ or $4\frac{2}{5}$)
- 4 0.017 is less than (0.009 or 0.014 or 0.012 or 0.051)
- 5 $\frac{1}{4} + \frac{3}{4} = \dots\dots\dots$ (1 or $\frac{4}{8}$ or $\frac{4}{6}$ or $\frac{3}{8}$)
- 6 $6.48 = 6 + \dots\dots\dots + 0.08$ (4 or 0.4 or 0.04 or 40)
- 7 $\frac{5}{7} = \frac{15}{\dots\dots\dots}$ (3 or 20 or 21 or 25)
- 8 2.09 2.9 (> or = or <)
- 9 $0.7 + \dots\dots\dots = 1$ (0.3 or 0.4 or 0.6 or 0.5)
- 10 The decimal between 0.4 and 0.43 is
(0.49 or 0.59 or 0.23 or 0.42)

2 Complete each of the following :

- 11 The value of the digit 6 in the number 18.36 is
- 12 $7\frac{3}{5} = \dots\dots\dots$ (in decimal form)
- 13 $\frac{2}{5} + \frac{3}{8} = \dots\dots\dots$
- 14 $1\frac{3}{4} - \frac{6}{7} = \dots\dots\dots$
- 15 The number 2.9 in letters is
- 16 $\frac{24}{36} = \frac{\dots\dots\dots}{\dots\dots\dots}$ (in the simplest form)

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3 Answer the following :

17 Arrange the following numbers in a descending order :

5.8 , 5.08 , 58 and 8.5

The order is : , , and

18 Write four decimal numbers included between 17 and 18

The numbers are : , , and

19 Arrange the following in an ascending order :

$\frac{2}{3}$, $\frac{3}{8}$, $\frac{1}{6}$ and $\frac{5}{12}$

The order is : , , and

20 Bassem bought a pen for L.E. $3\frac{1}{2}$ and a ruler for L.E. $1\frac{1}{4}$

How much money did he pay ?

He paid = = L.E.

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مع رياضه الاطفال للصف الثالث الاعدادي



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Sheet

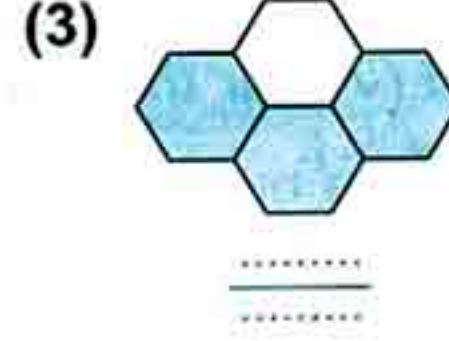
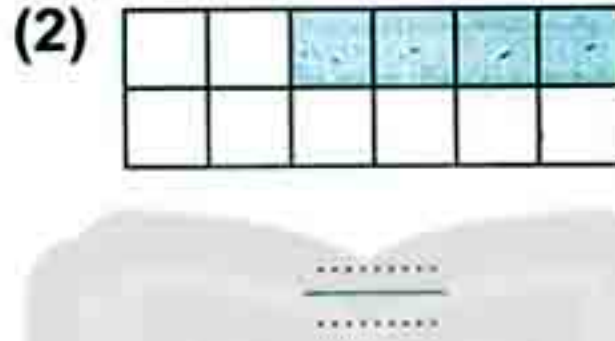
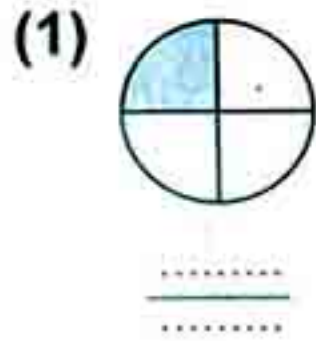
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On lesson (1) unit (1)

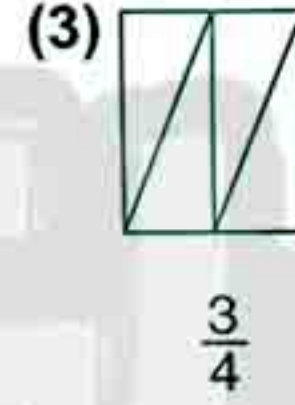
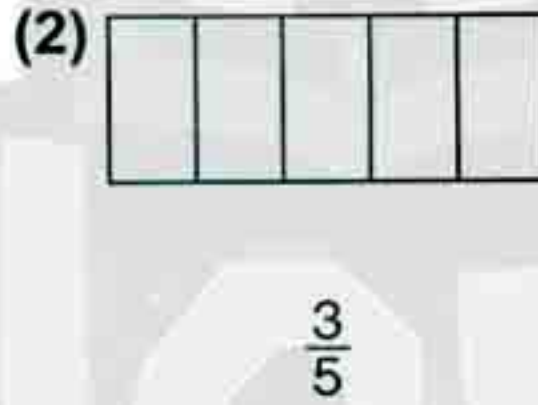
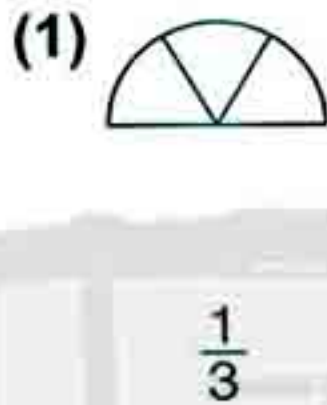
Mark

25

- 1 [a] Write the fraction that represents the shaded part according to the whole figure :



- [b] Colour according to the fraction :



- 2 Complete :

[a] The fraction $\frac{7}{9}$ its numerator is and its denominator is



[b] Six sevenths = $\frac{\dots}{\dots}$

[c] $1 = \frac{5}{\dots} = \frac{\dots}{4}$

[d] $7 = \frac{\dots}{7}$

[e] The fraction whose numerator is greater than its denominator is called

- 3 Choose the correct answer :

[a] The shaded parts represent

of the figure.



($\frac{1}{2}$ or $\frac{2}{3}$ or $\frac{1}{4}$)

[b] $\frac{5}{6} = \dots\dots\dots$

($\frac{20}{30}$ or $\frac{10}{18}$ or $\frac{35}{42}$)

[c] $\frac{10}{45} = \dots\dots\dots$

($\frac{2}{3}$ or $\frac{2}{9}$ or $\frac{4}{5}$)

[d] $\frac{7}{9} \dots\dots\dots \frac{5}{9}$

(> or = or <)

[e] The denominator of the fraction $\frac{3}{7}$ is (3 or 7 or 10)



4 Find the result :

[a] $\frac{5}{9} + \frac{2}{9} = \frac{\dots}{\dots}$

[b] $\frac{6}{7} - \frac{1}{7} = \frac{\dots}{\dots}$



[c] $\frac{3}{4} + \text{one quarter} = \frac{\dots}{\dots} = \dots$

[d] $1 - \frac{2}{13} = \frac{\dots}{\dots}$

[e] $(\frac{4}{12} + \frac{7}{12}) - \frac{9}{12} = \frac{\dots}{\dots}$

5 Put (✓) for the correct statement and (✗) for the incorrect one :

[a] The numerator of the fraction $\frac{4}{7}$ is 7 and its denominator is 4 ()



[b] $\frac{5}{7} + \frac{2}{7} = \frac{3}{3}$ ()

[c] Three fifths = $\frac{5}{3}$ ()

[d] The shaded part represents the fraction $\frac{1}{3}$ ()



[e] $1 - \frac{9}{10} = \frac{8}{9}$ ()

Sheet

2

From lesson (1) unit (1) to lesson (2) unit (1)

Mark

25

1 Complete with "a proper fraction , an improper fraction or a mixed number" :

[a] $\frac{5}{4}$ is

[b] $\frac{3}{8}$ is

[c] $2\frac{1}{7}$ is

[d] $\frac{9}{7}$ is

[e] $1\frac{9}{10}$ is



2 [a] Write each of the following as an improper fraction :

(1) $2\frac{1}{7} = \frac{\dots}{\dots}$

(2) $5\frac{3}{10} = \frac{\dots}{\dots}$

(3) $1\frac{5}{6} = \frac{\dots}{\dots}$

(4) $9\frac{6}{7} = \frac{\dots}{\dots}$



[b] Write each of the following as a mixed number :

(1) $\frac{7}{2} = \dots \frac{\dots}{\dots}$

(2) $\frac{15}{4} = \dots \frac{\dots}{\dots}$

(3) $\frac{64}{7} = \dots \frac{\dots}{\dots}$

(4) $\frac{25}{9} = \dots \frac{\dots}{\dots}$

3 Put the suitable relation ($<$), ($=$) or ($>$):

[a] $\frac{1}{4}$ $\frac{1}{3}$

[b] $\frac{1}{5}$ $\frac{1}{7}$

[c] $\frac{2}{5}$ $\frac{5}{10}$

[d] $2\frac{1}{8}$ $2\frac{1}{5}$

[e] $3\frac{1}{8}$ $\frac{25}{8}$



4 Choose the correct answer :

[a] 19 quarters =

($\frac{19}{3}$ or $19\frac{1}{4}$ or $4\frac{3}{4}$)

[b] $2\frac{1}{3}$ =

(5 thirds or 6 thirds or 7 thirds)

[c] $\frac{18}{24}$ = $\frac{\dots}{4}$

(2 or 3 or 4)

[d] $\frac{2}{3}$ = $\frac{\dots}{33}$

(22 or 20 or 2)

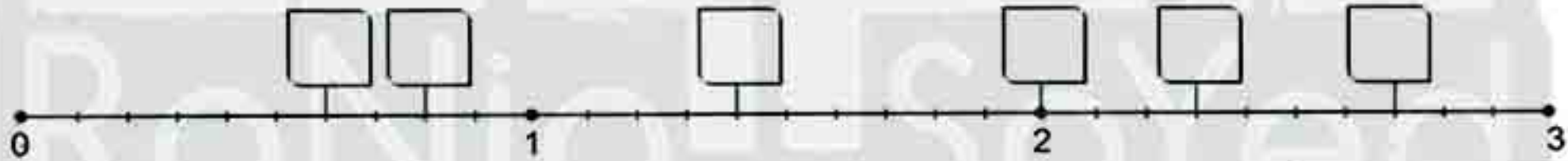
[e] In the improper fraction , the numerator is the denominator.

(greater than or less than or equal to)



5 Write each of the following in its suitable place on the number line :

$\frac{6}{10}$, $1\frac{4}{10}$, $2\frac{3}{10}$, $\frac{20}{10}$, $\frac{4}{5}$ and $\frac{27}{10}$



Sheet

3

From lesson (1) unit (1) to lesson (3) unit (1)

Mark

25

1 Complete the following :

[a] $\frac{1}{2} + \frac{1}{3} = \dots$

[b] $\frac{1}{4} - \frac{1}{5} = \dots$

[c] $\frac{2}{3} + \frac{3}{4} = \dots$

[d] $\frac{5}{6} - \frac{1}{3} = \dots$

[e] $\frac{1}{2} = \frac{\dots}{18}$



2 Complete the following :

[a] $3\frac{2}{5} = \dots$ (improper fraction)

[b] $\frac{16}{24} = \dots$ (in the simplest form)



[c] $1 - \frac{3}{5} = \dots\dots$

[d] $\frac{2}{7} + \frac{3}{7} = \dots\dots$

[e] $\frac{1}{3} + \frac{1}{6} = \dots\dots$

3 Choose the correct answer :

[a] $\frac{1}{4} + \frac{2}{3} = \dots\dots$

($\frac{11}{12}$ or $\frac{2}{12}$ or $\frac{3}{12}$ or $\frac{3}{7}$)

[b] $\frac{5}{9} + \frac{1}{3} = \dots\dots$

($\frac{7}{9}$ or $\frac{6}{12}$ or $\frac{8}{9}$ or $\frac{5}{27}$)

[c] $\frac{3}{4} \square \frac{5}{9}$

(> or < or =)

[d] $5\frac{1}{2} = \dots\dots$

($\frac{11}{2}$ or 1 or $\frac{21}{5}$ or $\frac{2}{11}$)

[e] $\frac{4}{5} - \frac{1}{20} = \dots\dots$

($\frac{7}{20}$ or $\frac{4}{3}$ or $\frac{3}{4}$ or $1\frac{1}{5}$)

**4 Arrange each of the following in an ascending order :**

[a] $\frac{1}{3}, \frac{3}{4}, \frac{5}{6}$ and $\frac{7}{12}$

[b] $\frac{1}{2}, \frac{5}{8}, \frac{7}{10}$ and $\frac{9}{20}$

[c] $\frac{15}{8}, 1\frac{1}{6}, 1\frac{11}{12}$ and $\frac{31}{24}$

**5 Find the following :**

[a] $5\frac{1}{2} + 3\frac{1}{5}$

[b] $4\frac{1}{4} + 5\frac{1}{3}$

[c] $6\frac{1}{5} - 1\frac{1}{6}$

[d] $\frac{1}{3} + \frac{1}{2} + \frac{1}{4}$

**Sheet****4**

From lesson (1) unit (1) to lesson (4) unit (1)

Mark

25

1 Write :

[a] $4\frac{3}{10} = \dots\dots$

(using a decimal point)

[b] $23.5 \rightarrow \dots\dots$

(in words)

[c] Nine and four tenths $\rightarrow \dots\dots$

(in digits)

[d] $\frac{9}{8}$ is $\dots\dots$ fraction. (complete with : a proper or an improper)

[e] $\frac{13}{2} = \dots\dots$

(in a decimal form)

**2 Complete each of the following :**

[a] $389.5 = \dots\dots$ hundreds + $\dots\dots$ tens + $\dots\dots$ units + $\dots\dots$ tenths

[b] $7.2 = \dots\dots + 0.2$

[c] $0.1 + 0.4 + \dots\dots = 1$

[d] $\frac{17}{4} = \dots\dots$ (as a mixed number)

[e] $85.4 = \dots\dots$ (in a fractional form)



3 Choose the correct answer between brackets :

[a] $\frac{5}{7} = \dots\dots\dots$

($\frac{10}{14}$ or $\frac{5}{14}$ or $\frac{10}{7}$)



[b] Six hundreds , twenty four and three tenths = $\dots\dots\dots$

(246.3 or 624.3 or 264.3)

[c] $0.4 + 0.4 + \dots\dots\dots = 1$

(2 or 0.1 or 0.2)

[d] $\dots\dots\dots = 2$ hundreds + 5 units + 7 tenths

(250.7 or 25.7 or 205.7)

[e] If $\frac{18}{27} = \frac{x}{3}$, then $x = \dots\dots\dots$

(2 or 3 or 9)

4 Put (✓) for the correct statement and (x) for the incorrect one :

[a] Two fifths = $\frac{5}{2}$

()



[b] $0.3 + 0.6 = 0.9$

()

[c] Two hundreds and four tenths = 20.4

()

[d] $6.3 = 3$ units + 6 tenths

()

[e] $3.5 = 3\frac{1}{2}$

()

5 [a] Find the result :

(1) $\frac{5}{6} - \frac{1}{3} = \dots\dots\dots$

(2) $(3\frac{1}{4} + 1\frac{1}{3}) - \frac{15}{12} = \dots\dots\dots$



[b] Represent each of the following numbers on the number line :

0.4 , 1.3 and 2.8



Sheet

5

From lesson (1) unit (1) to lesson (5) unit (1)

Mark

25

1 Write :

[a] $3\frac{47}{100} = \dots\dots\dots$ (as a decimal number)

[b] $7.03 = \dots\dots\dots$ (as a mixed number)

[c] $47.47 = \dots\dots\dots$ (as an improper fraction)

[d] $21\frac{3}{4} = \dots\dots\dots$ (in a decimal form)

[e] Twenty two and thirty-five hundredths $\longrightarrow \dots\dots\dots$ (in digits)



2 Complete :

[a] $315.728 = \dots\dots\dots$ hundreds + $\dots\dots\dots$ ten + $\dots\dots\dots$ units
 + $\dots\dots\dots$ tenths + $\dots\dots\dots$ hundredths + $\dots\dots\dots$ thousandths

[b] $25.961 = \dots\dots\dots + 5 + \dots\dots\dots + 0.06 + \dots\dots\dots$

[c] The value of the digit 3 in the number 614.837 is $\dots\dots\dots$

[d] 2.09 $\dots\dots\dots$ (in words)

[e] $0.5 + \dots\dots\dots =$ whole one

**3 Choose the correct answer :**

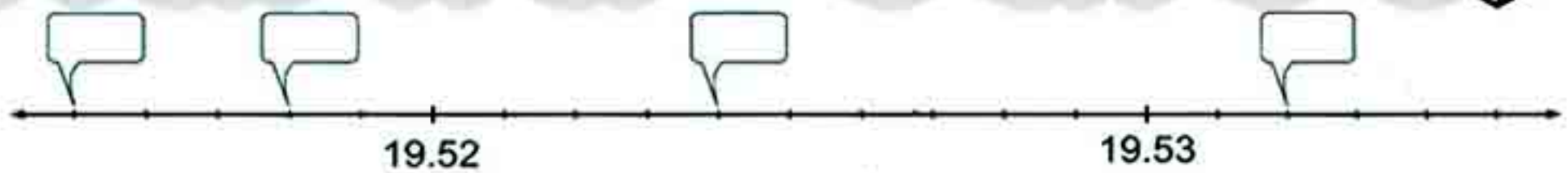
[a] The value of the digit 6 in the number 6.254 is $\dots\dots\dots$
 (6 or $\frac{6}{10}$ or 6 hundredths)

[b] The place value of the digit 7 in the number 604.571 is $\dots\dots\dots$
 (tens or tenths or hundredths)

[c] $5 \frac{3}{100} = \dots\dots\dots$ (5.3 or 5.03 or 5.5)

[d] $\frac{14}{2000} = \dots\dots\dots$ (0.007 or 0.07 or 0.014)

[e] $\frac{6}{7} \square \frac{5}{6}$ (> or = or <)

**4 [a] Write the suitable number inside each rectangle according to its place on the number line :**

[b] **Underline the units digit and circle the tenths digit in each :**

(1) 3.104

(2) 64.305

**5 Find the missing digits :**

[a] $5.017 = \frac{\dots\dots\dots}{\dots\dots\dots}$

[b] $\frac{4}{10} = \frac{\dots\dots\dots}{100}$

[c] $0.1 + 0.2 + \dots\dots\dots = 1$

[d] 7 tenths + 4 units = $\dots\dots\dots$

[e] $\frac{3}{5} + \frac{3}{4} = \dots\dots\dots$



Sheet

6

From lesson (1) unit (1) to lesson (6) unit (1)

Mark

25

1 Complete :

[a] $39.471 = 39 + \dots + \dots + 0.001$

[b] $6.541 < \dots < 6.543$

[c] $9.06 \dots 9.5$ (using : $<$, $=$ or $>$)

[d] $25.25 = \dots$ (as an improper fraction)

[e] $\frac{2}{7} + \dots = \frac{6}{7}$



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2 Put the suitable relation ($<$) , ($=$) or ($>$) :

[a] $1 \square 0.999$

[b] $7\frac{1}{2} \square 7.5$

[c] $50.1 \square 49.99$

[d] 4 hundreds and 4 tenths \square 30.04

[e] The value of the digit 3 in the number 0.324 \square The value of the digit 5 in the number 0.025



3 Choose the correct answer :

[a] 45 tenths = (4.5 or 0.45 or 450)

[b] $0.92 > \dots$ (1.92 or 0.9 or 0.95)

[c] $0.3 + 0.03 = \dots$ (3.3 or 0.033 or 0.33)

[d] $5\frac{1}{8} \dots 5.125$ ($<$ or $=$ or $>$)

[e] $23.9 = 0.9 + 3 + \dots$ (2 or 20 or 200)



4 [a] Arrange the following numbers in an ascending order :

4.8 , 8.4 , 4.08 and 4.85

The order is :

[b] Rearrange the following numbers descendingly :

0.804 , 0.84 , 0.85 and 0.084

The order is :

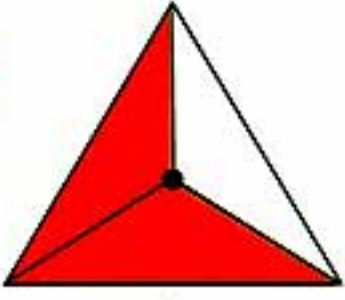


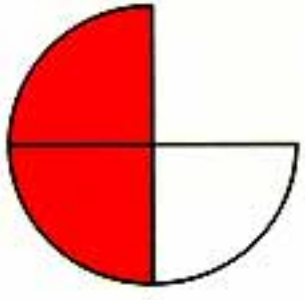
EXERCISE 1 (A)

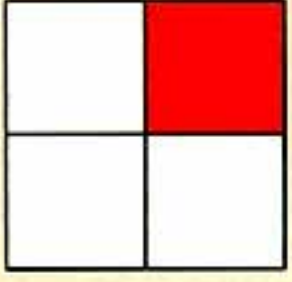
Revision on what was studied before about fractions




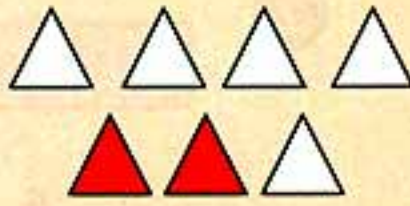
1 Write the fraction that represents the colored part as the examples:

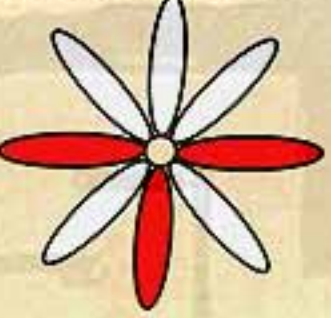
Ex.1 
 $\frac{2}{3}$

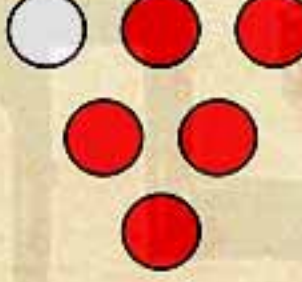
Ex.2 
 $\frac{2}{3}$

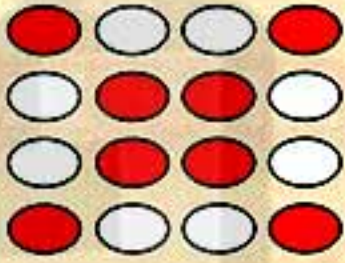
a) 
 $\frac{\dots}{\dots}$

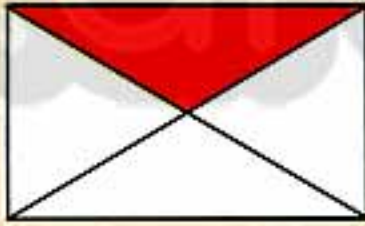
b) 
 $\frac{\dots}{\dots}$


c) 
 $\frac{\dots}{\dots}$


d) 
 $\frac{\dots}{\dots}$

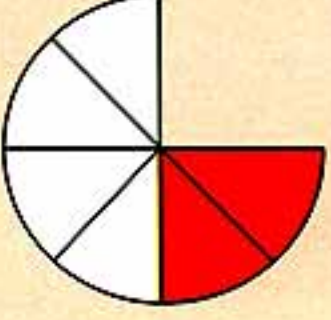
e) 
 $\frac{\dots}{\dots}$

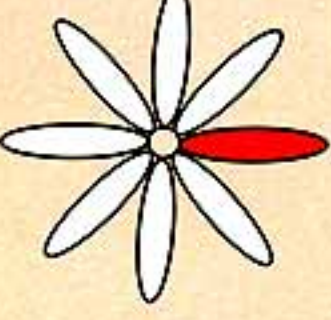
f) 
 $\frac{\dots}{\dots}$

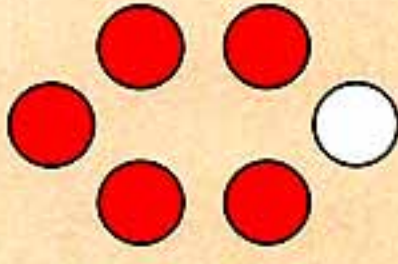
g) 
 $\frac{\dots}{\dots}$

h) 
 $\frac{\dots}{\dots}$

i) 
 $\frac{\dots}{\dots}$

j) 
 $\frac{\dots}{\dots}$

k) 
 $\frac{\dots}{\dots}$

l) 
 $\frac{\dots}{\dots}$

2 Complete the following table as the example:

	Numerator	Denomintaor	The fraction	Read as
Ex.	1	2	$\frac{1}{2}$	half
a	1	3	.....	.....
b	.....	.....	$\frac{3}{4}$	three quarters
c	.....	5	.....	two fifths
d	3	.....	$\frac{3}{7}$	.....

3 Write each integer in the form of a fraction:

Ex. $13 = \frac{13}{1}$
 13 is the numerator, 1 is the denominator.

a) $4 = \frac{.....}{2}$

b) $3 = \frac{.....}{3}$

c) $7 = \frac{14}{.....}$

d) $10 = \frac{50}{.....}$

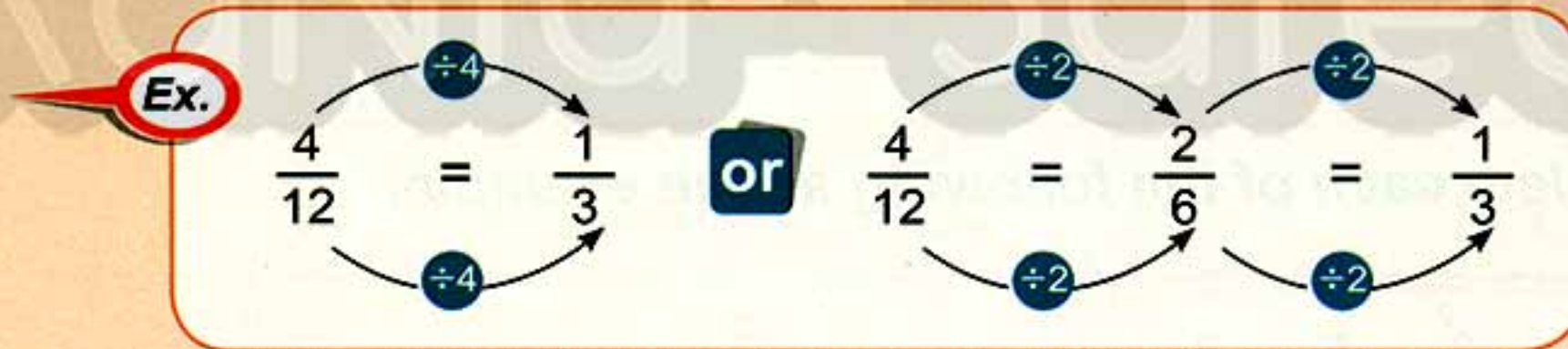
e) $20 = \frac{40}{.....}$

f) $2 = \frac{12}{.....}$

g) $5 = \frac{15}{.....}$

h) $6 = \frac{30}{.....}$

4 Put the following fractions in the simplest form as the example:



a) $\frac{15}{35} = \frac{3}{.....}$

$\frac{4}{20} = \frac{1}{.....}$

$\frac{15}{27} = \frac{.....}{9}$

b) $\frac{28}{7} = \frac{.....}{.....}$

$\frac{3}{4} = \frac{.....}{16}$

$\frac{25}{35} = \frac{.....}{.....}$

c) $\frac{10}{40} = \frac{.....}{.....}$

$\frac{36}{22} = \frac{.....}{.....}$

$\frac{56}{18} = \frac{.....}{.....}$

d) $\frac{16}{24} = \frac{.....}{.....}$

$\frac{20}{32} = \frac{.....}{.....}$

$\frac{24}{32} = \frac{.....}{.....}$

5 Complete each of the following using ($<$, $>$ or $=$) as the example:

Ex. $\frac{2}{7} < \frac{3}{7}$

a) $\frac{3}{5}$ $\frac{4}{5}$

b) $\frac{4}{6}$ $\frac{3}{6}$

c) $\frac{3}{7}$ $\frac{3}{6}$

d) $\frac{4}{8}$ $\frac{4}{6}$

e) $\frac{16}{18}$ $\frac{8}{9}$

f) $\frac{10}{9}$ 1

6 Write an equivalent fraction for each of the following as the example:

Ex.

$\frac{4}{7} = \frac{8}{14}$

(Diagram showing multiplication by 2: $\frac{4}{7} \xrightarrow{\times 2} \frac{8}{14}$)

a) $\frac{8}{11} = \frac{\dots}{\dots}$

b) $\frac{5}{6} = \frac{\dots}{\dots}$

c) $\frac{1}{9} = \frac{\dots}{\dots}$

d) $\frac{2}{3} = \frac{\dots}{\dots}$

e) $\frac{3}{10} = \frac{\dots}{\dots}$

7 Complete each of the following as the example:

Ex.

$1 = \frac{2}{2} = \frac{5}{5} = \frac{8}{8}$

a) $2 = \frac{8}{\dots} = \frac{\dots}{6} = \frac{10}{\dots}$

b) $\frac{2}{7} = \frac{\dots}{14} = \frac{12}{\dots} = \frac{20}{\dots}$

c) $\frac{3}{5} = \frac{6}{\dots} = \frac{12}{\dots} = \frac{\dots}{50}$

d) $\frac{1}{2} = \frac{5}{\dots} = \frac{3}{\dots} = \frac{6}{\dots}$

e) $\frac{3}{4} = \frac{\dots}{8} = \frac{9}{\dots} = \frac{\dots}{20}$

8 Complete each of the following:

a) $\frac{5}{7} + \frac{1}{7} = \frac{\dots}{\dots}$

b) $\frac{6}{11} - \frac{3}{11} = \frac{\dots}{\dots}$

c) $\frac{2}{5} + \frac{\dots}{\dots} = \frac{3}{5}$

d) $\frac{4}{7} - \frac{\dots}{\dots} = \frac{1}{7}$

e) $\frac{3}{4} + \frac{\dots}{\dots} = 1$

f) $1 - \frac{\dots}{\dots} = \frac{1}{5}$

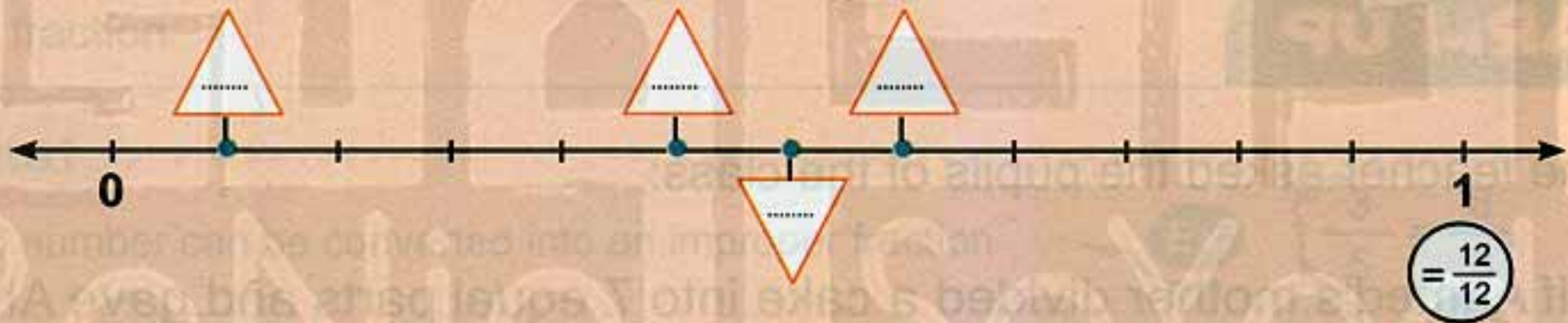
g) $(\frac{3}{8} + \frac{5}{8}) - \frac{1}{8} = \dots$

h) $(\frac{9}{12} + \frac{5}{12}) - \frac{3}{12} = \dots$

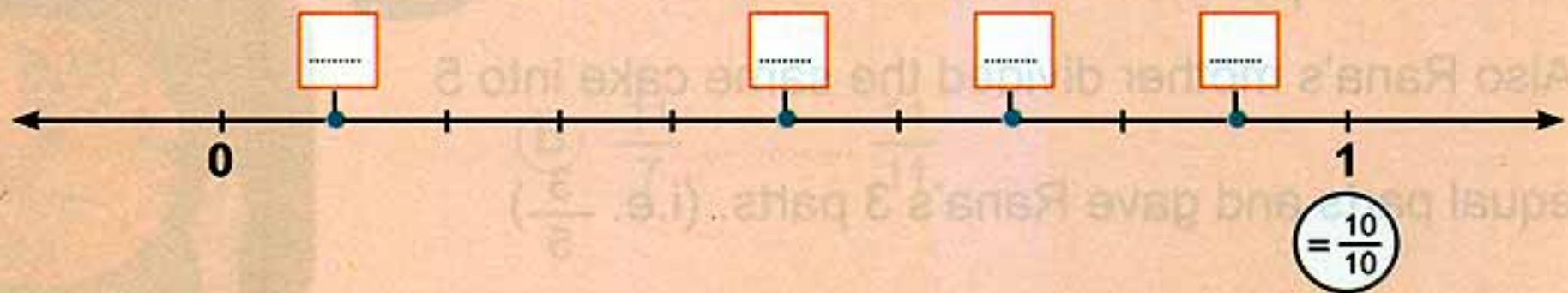
9 Write the fractions in their suitable place on the number line, then arrange them ascendingly and descendingly:

a) $\frac{1}{2}$, $\frac{5}{12}$, $\frac{1}{12}$ and $\frac{7}{12}$

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b) $\frac{1}{2}$, $\frac{1}{10}$, $\frac{9}{10}$ and $\frac{7}{10}$



FOR EXCELLENT PUPILS

10 Find the result of the following in its simplest form:

$$(\frac{6}{21} + \frac{12}{84}) - \frac{2}{14}$$

EXERCISE 1 (B) More about fractions



Interactive Exercise

1 Write each of the following mixed numbers into an improper fraction (as the example):

Ex. $2\frac{1}{4} = \frac{(2 \times 4) + 1}{4} = \frac{8 + 1}{4} = \frac{9}{4}$

a) $3\frac{2}{5} = \frac{\dots}{\dots}$

b) $4\frac{3}{10} = \frac{\dots}{\dots}$

c) $2\frac{1}{5} = \frac{\dots}{\dots}$

d) $10\frac{1}{2} = \frac{\dots}{\dots}$

e) $3\frac{1}{4} = \frac{\dots}{\dots}$

f) $4\frac{1}{10} = \frac{\dots}{\dots}$

g) $7\frac{1}{3} = \frac{\dots}{\dots}$

h) $5\frac{3}{4} = \frac{\dots}{\dots}$

2 Convert each of the following into a mixed number as the example:

Ex. $\frac{8}{3} = 2\frac{2}{3}$ denominator \rightarrow $3 \overline{) 8} \begin{array}{r} 2 \\ -6 \\ \hline 2 \end{array}$ whole numerator (remainder)

a) $\frac{5}{4} = \dots \frac{\dots}{\dots}$ $4 \overline{) 5}$

b) $\frac{11}{10} = \dots \frac{\dots}{\dots}$ $10 \overline{) 11}$

c) $\frac{42}{5} = \dots \frac{\dots}{\dots}$ $5 \overline{) 42}$

d) $\frac{18}{5} = \dots \frac{\dots}{\dots}$ $5 \overline{) 18}$

e) $\frac{9}{2} = \dots \frac{\dots}{\dots}$ $2 \overline{) 9}$

f) $\frac{18}{4} = \dots \frac{\dots}{\dots}$ $4 \overline{) 18}$

g) $\frac{63}{10} = \dots \frac{\dots}{\dots}$ $10 \overline{) 63}$

h) $\frac{79}{11} = \dots \frac{\dots}{\dots}$ $11 \overline{) 79}$

3 Put the suitable sign ($<$, $>$ or $=$) as the example:

Ex. $\frac{1}{6} < \frac{2}{5}$

a) $1 \dots \frac{5}{7}$

c) $\frac{2}{5} \dots \frac{5}{10}$

e) $\frac{5}{6} \dots \frac{2}{3}$

g) $5\frac{3}{4} \dots 3\frac{8}{9}$

b) $\frac{3}{7} \dots \frac{1}{8}$

d) $\frac{8}{12} \dots \frac{2}{3}$

f) $\frac{6}{7} \dots \frac{5}{6}$

h) $2\frac{5}{10} \dots 2\frac{7}{14}$

4 Compare between each of the two fractions:

a) $\frac{4}{7}$, $\frac{2}{3}$

.....

c) $\frac{8}{9}$, $\frac{9}{10}$

.....

e) $\frac{5}{42}$, $\frac{3}{7}$

.....

g) $1\frac{2}{5}$, $1\frac{3}{4}$

.....

b) $\frac{3}{5}$, $\frac{2}{9}$

.....

d) $1\frac{2}{5}$, $2\frac{3}{11}$

.....

f) $\frac{7}{8}$, $\frac{5}{24}$

.....

h) $2\frac{3}{8}$, $2\frac{5}{9}$

.....

5 Arrange in ascending order:

a) $\frac{3}{5}, \frac{2}{3}, \frac{7}{15}$

The order is:

b) $\frac{3}{4}, \frac{5}{8}, \frac{1}{2}, \frac{13}{16}$

The order is:

c) $\frac{2}{3}, \frac{7}{8}, \frac{5}{6}, \frac{1}{4}$

The order is:

d) $\frac{5}{3}, \frac{7}{2}, 1\frac{3}{4}, \frac{5}{6}$

The order is:

e) $8\frac{1}{7}, 8\frac{3}{7}, 9, 8\frac{4}{7}$

The order is:

6 Arrange in descending order:

a) $\frac{3}{4}, \frac{2}{3}, \frac{7}{12}$

The order is:

b) $\frac{1}{3}, \frac{2}{3}, \frac{5}{6}, \frac{1}{2}$

The order is:

c) $\frac{2}{7}, 1, \frac{1}{2}, \frac{9}{14}$

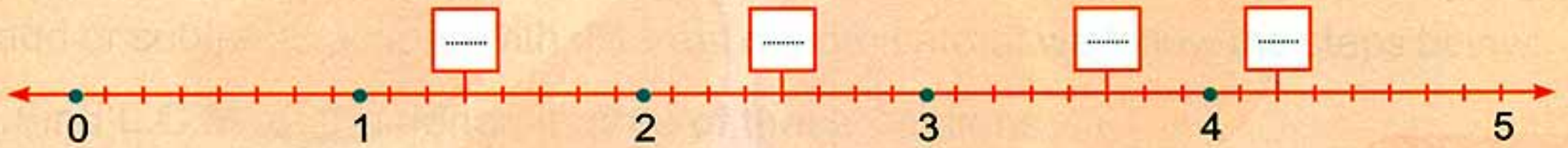
The order is:

d) $\frac{3}{4}, \frac{1}{5}, \frac{7}{10}, \frac{1}{2}$

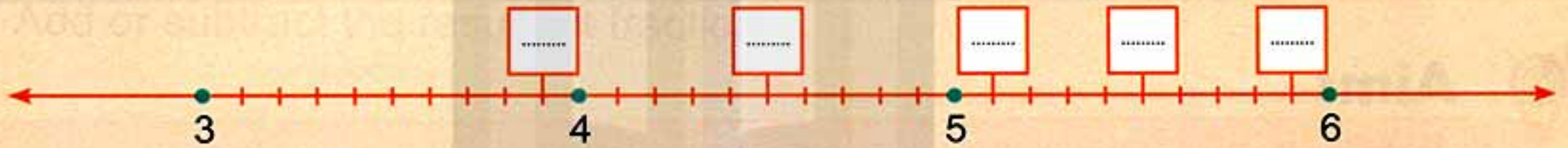
The order is:

7 Write each of the following numbers in its suitable place on the number line:

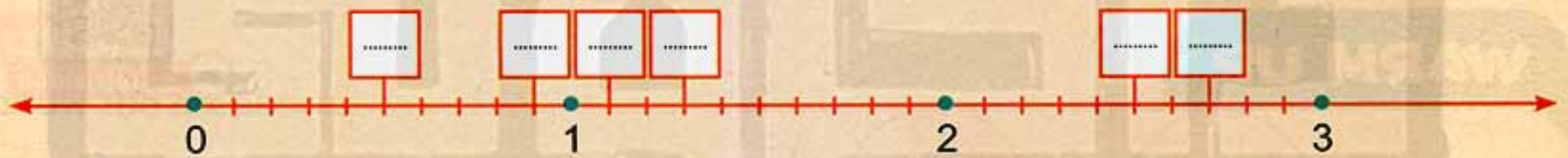
a) $1\frac{3}{8}$, $4\frac{1}{4}$, $2\frac{4}{8}$, $3\frac{5}{8}$



b) $4\frac{1}{2}$, $5\frac{1}{10}$, $3\frac{9}{10}$, $5\frac{1}{2}$, $5\frac{9}{10}$



c) $1\frac{1}{10}$, $2\frac{1}{2}$, $\frac{9}{10}$, $1\frac{3}{10}$, $2\frac{7}{10}$, $\frac{1}{2}$



FOR EXCELLENT PUPILS

8 Write each of the following numbers in its suitable place on the given number line:

$2\frac{1}{2}$, $\frac{11}{5}$, $\frac{13}{5}$, $1\frac{38}{20}$



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Exercise

EXERCISE 1

(C)

Adding and subtracting fractions that have different denominators



Interactive Exercise

1 Add the following:

a) $\frac{1}{2} + \frac{1}{4}$

b) $\frac{1}{2} + \frac{2}{3}$

c) $\frac{1}{3} + \frac{1}{6}$

d) $\frac{5}{9} + \frac{1}{3}$

e) $\frac{3}{10} + \frac{2}{5}$

f) $\frac{2}{5} + \frac{3}{7}$

2 Subtract the following:

a) $\frac{5}{6} - \frac{2}{3}$

b) $\frac{1}{4} - \frac{1}{5}$

c) $\frac{5}{6} - \frac{1}{3}$

d) $\frac{3}{4} - \frac{3}{20}$

e) $\frac{4}{5} - \frac{3}{7}$

f) $\frac{7}{9} - \frac{1}{3}$

3 Choose the correct answer from that between the brackets:

a) $\frac{1}{2} + \frac{1}{3} =$

$(\frac{3}{5} \text{ or } \frac{5}{6} \text{ or } \frac{3}{8} \text{ or } \frac{3}{7})$

b) $1 - \frac{1}{4} =$

$(\frac{2}{7} \text{ or } \frac{3}{8} \text{ or } \frac{3}{4} \text{ or } \frac{5}{8})$

c) $\frac{3}{4} - \frac{1}{2} =$

$(\frac{1}{4} \text{ or } \frac{2}{5} \text{ or } \frac{3}{11} \text{ or } \frac{7}{9})$

d) $\frac{1}{6} + \frac{1}{2} =$

$(\frac{1}{3} \text{ or } \frac{5}{8} \text{ or } 1 \text{ or } \frac{2}{3})$

4 Find in the simplest form:

a) $\frac{2}{3} + \frac{3}{4}$

b) $\frac{5}{6} - \frac{1}{3}$

c) $1\frac{4}{7} - \frac{10}{21}$

d) $2\frac{5}{8} + \frac{3}{4}$

e) $7 - 3\frac{5}{6}$

f) $4\frac{1}{2} + 2\frac{1}{5}$

g) $5\frac{1}{8} + 2\frac{1}{4}$

h) $3\frac{1}{2} + 1\frac{2}{5}$

5 Find in the simplest form:

a) $(\frac{6}{7} + \frac{5}{7}) - \frac{3}{7}$

b) $(1 - \frac{5}{6}) + \frac{7}{6}$

c) $(2 - \frac{3}{4}) + \frac{5}{4}$

d) $(3 + \frac{7}{5}) + \frac{1}{5}$

e) $(\frac{5}{2} + 1\frac{1}{4}) - \frac{6}{8}$

f) $(9\frac{2}{3} - 5\frac{1}{6}) + 1\frac{1}{2}$

g) $(3\frac{1}{4} + 1\frac{1}{3}) - \frac{15}{12}$

h) $(7\frac{2}{5} - 4\frac{1}{6}) - \frac{32}{30}$

6 Choose the correct answer for each of the following:

a) $\frac{3}{24} - \frac{1}{8} = \dots\dots\dots$

- 0
- $\frac{1}{8}$
- $\frac{1}{4}$
- 1

b) $2 + \frac{5}{6} = \dots\dots\dots$

- $\frac{1}{6}$
- $\frac{7}{6}$
- $\frac{17}{6}$
- $\frac{5}{12}$

c) $5 - \frac{1}{3} = \dots\dots\dots$

- $5\frac{1}{3}$
- $4\frac{2}{3}$
- $4\frac{1}{3}$
- $\frac{16}{3}$

d) $3 - 2\frac{4}{5} = \dots\dots\dots$

- $1\frac{4}{5}$
- $1\frac{1}{5}$
- $\frac{4}{5}$
- $\frac{1}{5}$

e) $3\frac{1}{9} - 1\frac{1}{3} = \dots\dots\dots$

- $2\frac{1}{3}$
- $2\frac{1}{9}$
- $1\frac{7}{9}$
- $2\frac{1}{27}$

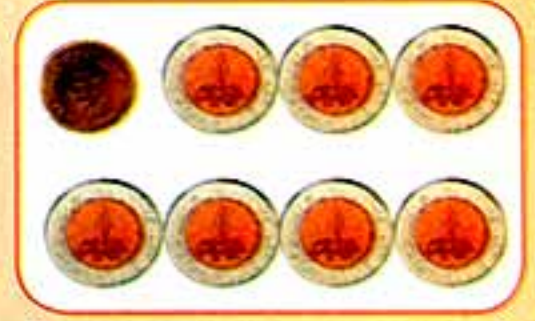
f) $1\frac{3}{8} + 2\frac{1}{7} = \dots\dots\dots$

- $3\frac{4}{36}$
- $3\frac{1}{8}$
- $3\frac{5}{17}$
- $3\frac{29}{56}$

LIFE PROBLEMS

- 7 Nancy had seven pounds and a half. She gave her brother two pounds and a quarter.

How much money was left with Nancy?



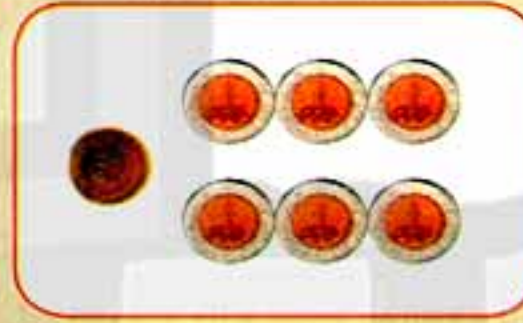
- 8 The weights of 3 boxes of fruits are $3\frac{1}{2}$, $5\frac{3}{8}$ and $4\frac{1}{4}$ kg.

Find the total weight of these boxes.



- 9 A man bought 1 kg of apple for $12\frac{1}{4}$ pounds and 1 kg of orange for $6\frac{1}{2}$ pounds.

How much money did he pay?



- 10 Ahmed has L.E. 10. He bought a pen for L.E. $3\frac{1}{4}$ and a notebook for L.E. $2\frac{3}{4}$.

Find the remainder with Ahmed.



L.E. $3\frac{1}{4}$



L.E. $2\frac{3}{4}$



FOR EXCELLENT PUPILS

- 11 Complete each of the following:

a) $2\frac{1}{2} = \frac{\dots}{10}$

b) $5\frac{1}{4} = \frac{\dots}{100}$

c) $3\frac{1}{8} = \frac{\dots}{1000}$

d) $1\frac{1}{125} = \frac{\dots}{1000}$

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قنوات ذاكرولي
على تطبيق التليجرام



Exercise 3

Decimal numbers

Solve Ex.

1. Shade the part that represents the shown number as the example:

Example: 2.5

a) 1.7		
b) 2.6		
c) 0.8		
d) 1.4		
e) 2.7		
f) 0.9		
g) 1.3		

2. Convert each of the following into a decimal form:

a) $\frac{4}{10} = \dots\dots\dots$	b) $\frac{27}{10} = \dots\dots\dots$	c) $\frac{72}{10} = \dots\dots\dots$	d) $\frac{53}{10} = \dots\dots\dots$
e) $\frac{98}{10} = \dots\dots\dots$	f) $\frac{125}{10} = \dots\dots\dots$	g) $\frac{358}{10} = \dots\dots\dots$	h) $\frac{4367}{10} = \dots\dots\dots$
i) $9 \frac{18}{100} = \dots\dots\dots$	j) $95 \frac{65}{100} = \dots\dots\dots$	k) $12 \frac{1}{100} = \dots\dots\dots$	l) $56 \frac{72}{100} = \dots\dots\dots$
m) $911 \frac{185}{1000} = \dots\dots\dots$	n) $97 \frac{5}{1000} = \dots\dots\dots$	o) $\frac{1209}{1000} = \dots\dots\dots$	p) $\frac{917}{1000} = \dots\dots\dots$

3. Complete each of the following to convert into a decimal form as the example:

Example: $\frac{12}{5} = \frac{12 \times 2}{5 \times 2} = \frac{24}{10} = 2.4$

$\frac{32}{800} = \frac{32 \div 8}{800 \div 8} = \frac{4}{100} = 0.04$, $\frac{23}{125} = \frac{23 \times 8}{125 \times 8} = \frac{184}{1000} = 0.184$

a) $\frac{3}{5} = \frac{3 \times 2}{5 \times 2} = \frac{\dots\dots\dots}{10} = \dots\dots\dots$

b) $\frac{77}{70} = \frac{77 \div 7}{70 \div 7} = \frac{\dots\dots\dots}{10} = \dots\dots\dots$

c) $\frac{46}{20} = \frac{46 \div 2}{20 \div 2} = \frac{\dots\dots\dots}{\dots\dots\dots} = \dots\dots\dots$

d) $\frac{19}{5} = \frac{\dots\dots \times \dots\dots}{\dots\dots \times \dots\dots} = \frac{\dots\dots\dots}{\dots\dots\dots} = \dots\dots\dots$

UNIT 1

e) $\frac{7}{2} = \frac{\dots \times 5}{\dots \times \dots} = \frac{\dots}{\dots} = \dots$

f) $\frac{9}{5} = \frac{\dots \times \dots}{\dots \times \dots} = \frac{\dots}{\dots} = \dots$

g) $\frac{45}{50} = \frac{\dots \div \dots}{\dots \div 5} = \frac{\dots}{\dots} = \dots$

h) $\frac{24}{40} = \frac{\dots \div \dots}{\dots \div 4} = \frac{\dots}{\dots} = \dots$

i) $\frac{64}{400} = \frac{\dots \div \dots}{\dots \div 4} = \frac{\dots}{\dots} = \dots$

j) $\frac{3}{4} = \frac{\dots \times \dots}{\dots \times \dots} = \frac{\dots}{\dots} = \dots$

k) $\frac{14}{2000} = \frac{\dots \div \dots}{\dots \div \dots} = \frac{\dots}{\dots} = \dots$

l) $57 \frac{1}{2} = 57 \frac{\dots \times \dots}{\dots \times \dots} = 57 \frac{\dots}{\dots} = \dots$

m) $\frac{1002}{300} = \frac{\dots \div \dots}{\dots \div \dots} = \frac{\dots}{\dots} = \dots$

n) $\frac{27}{500} = \frac{\dots \times \dots}{\dots \times \dots} = \frac{\dots}{\dots} = \dots$

o) $\frac{72}{200} = \frac{\dots \div \dots}{\dots \div \dots} = \frac{\dots}{\dots} = \dots$

p) $26 \frac{1}{25} = 26 \frac{\dots \times \dots}{\dots \times \dots} = \dots \frac{\dots}{\dots} = \dots$

4. Convert each of the following into a fractional form:

a) $0.7 = \frac{\dots}{\dots}$

b) $0.5 = \frac{\dots}{\dots}$

c) $6.3 = \frac{\dots}{\dots}$

d) $8.3 = \frac{\dots}{\dots}$

e) $64.3 = \frac{\dots}{\dots}$

f) $512.4 = \frac{\dots}{\dots}$

g) 125.71

h) 17.23

i) 6.09

j) 5.017

k) 16.125

l) 18.18

m) 10.12

n) 8.217

o) 28.001

p) 213.002

q) 100.007

r) 5.027

5. Write in digits each of the following numbers:

a) Four tenths.

b) Eight and one tenth.

c) Twenty five and three tenths.

d) One hundred sixteen and six tenths.

e) Five and seven tenths.

f) Fourteen and two tenths.

g) Thirty seven and fifty hundredths

h) Five hundred and twenty four hundredths

i) Six and fifty seven thousandths

j) Twenty nine thousandths

k) Four hundred thirty two and seven hundredths

6. Write in words each of the following numbers:

- a) 0.7 b) 14.2 c) 350.9 d) 2083.1 e) 3.58
 f) 0.35 g) 0.568 h) 1.001 i) 64.075

7. Complete the following table as the example:

Number	Hundreds	Tens	Units	Point	Tenths	Hundredths	Thousandths
Example: 671.235	6	7	1	.	2	3	5
a) 723.056	.....	.....	.....	.	.....	.....	.....
b) 121.721	.....	.....	.....	.	.....	.....	.....
c) 56.345	.....	.....	.....	.	.....	.....	.....
d) 187.65	.....	.....	.....	.	.....	.....	.....
e)	6	7	1	.	6	3	4
f)	0	0	2	.	3	2	7
g)	7	1	0	.	6	7	0

8. Complete as the example:

Example: $5.275 = 5 + 0.2 + 0.07 + 0.005$

- a) $6.8 = \dots + \dots$, $7.2 = 0.2 + \dots$
 b) $3.4 = 3 + \dots$, $\dots = 6 + 0.3$
 c) $\dots = 5 + 0.1$, $\dots = 0.2 + 3$
 d) $12.097 = \dots + \dots + \dots$
 e) $\dots = 70 + 5 + 0.2 + 0.07 + 0.006$
 f) $\dots = 900 + 50 + 2 + 0.3 + 0.05$

UNIT 1

9. Underline the tens digit, and circle the tenths digit in each of the following numbers as the example:

Example: 524.7 , 27.9 , 456.2

a) 2132.7 , 327.2 , 1020.8
 b) 18.73 , 30.95 , 71.5
 c) 467.8 , 5432.1 , 100.1 , 2060.9

10. Underline the hundreds digit and circle the hundredths digit as the example:

Example: 982.327 a) 129.785 b) 195.273
 c) 175.198 d) 695.786 e) 318.08

11. Underline the units digit and circle the hundredths digit as the example:

Example: 72.536 a) 74.138 b) 675.261
 c) 7.203 d) 175.62 e) 18.07

12. Find the value of the digit (4) in each of the following numbers as the example:

Example: 4.503 (4) a) 42.37 (.....) b) 11.46 (.....)
 c) 27.034 (.....) d) 0.104 (.....) e) 17.046 (.....)

13. Find the place value of the digit (3) in each of the following numbers as the example:

Example: 23.521 (Units) a) 701.235 (.....) b) 34.920 (.....)
 c) 90.003 (.....) d) 325.784 (.....) e) 2.3 (.....)

14. Complete each of the following as the example:

Example: $0.5 = 0.50 = 0.500$, $0.800 = 0.80 = 0.8$

a) $0.2 = \dots = \dots$, $0.900 = \dots = \dots$
 b) $0.7 = \dots = \dots$, $0.300 = \dots = \dots$
 c) $0.6 = \dots = \dots$, $0.100 = \dots = \dots$

15. Complete each of the following as the example:

Example:

$$65.347$$

$$65 + 0.347$$

$$65 + 0.3 + 0.04 + 0.007$$

a)

$$75.986$$

$$\dots + \dots$$

$$\dots + \dots + \dots + \dots$$

b)

$$195.678$$

$$\dots + \dots$$

$$\dots + \dots + \dots + \dots$$

c)

$$\dots$$

$$217 + 0.175$$

$$\dots + \dots + \dots + \dots$$

d)

$$\dots$$

$$\dots + \dots$$

$$127 + 0.7 + 0.05 + 0.008$$

e)

$$\dots$$

$$\dots + \dots$$

$$197 + 0.5 + 0.009$$

16. Complete each of the following as the example:

Example: $5.126 = 6 \text{ thousandths} + 2 \text{ hundredths} + 1 \text{ tenth} + 5 \text{ units}$

a) $27.39 = \dots \text{ hundredths} + \dots \text{ tenths} + \dots \text{ units} + \dots \text{ tens}$

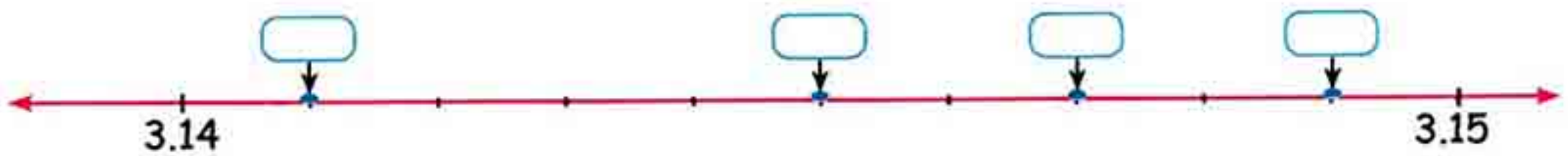
b) $804.567 = \dots \text{ thousandths} + \dots \text{ hundredths} + \dots \text{ tenths} + \dots \text{ units} + \dots \text{ hundreds}$

c) $1003.058 = \dots \text{ thousandths} + \dots \text{ hundredths} + \dots \text{ units} + \dots \text{ thousands}$

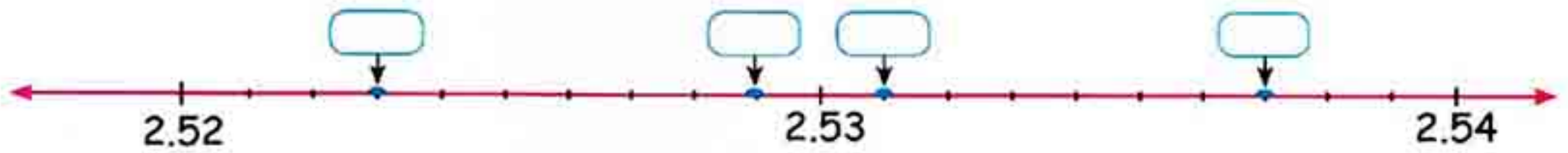
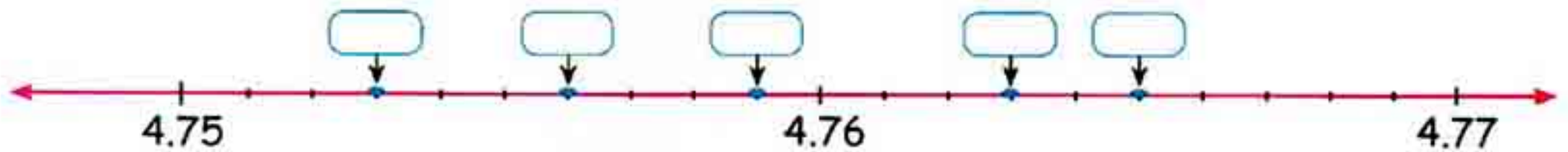
d) $\dots = 4 \text{ tenths} + 1 \text{ hundredth} + 9 \text{ thousandths} + 8 \text{ tens} + 2 \text{ hundreds}$

17. Write the following numbers in their suitable places on the number line:

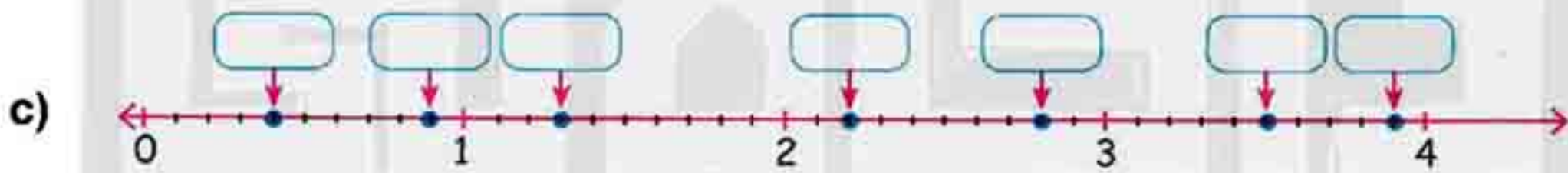
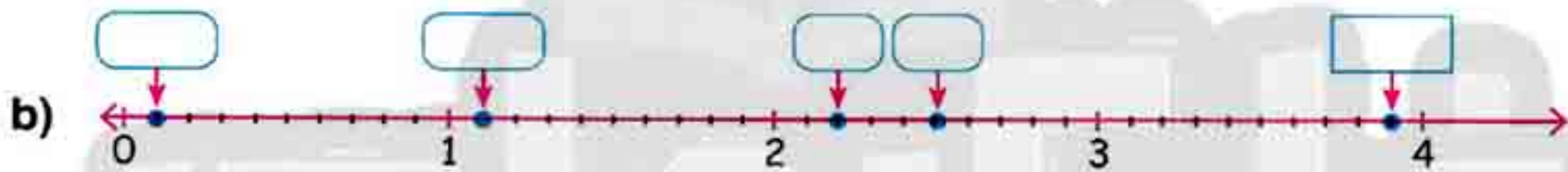
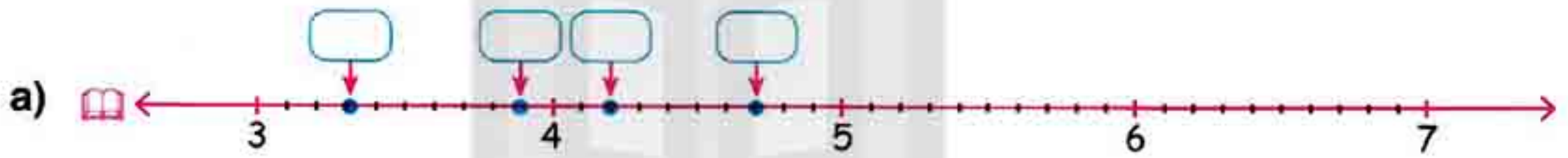
a) 3.145 , 3.149 , 3.141 and 3.147



UNIT 1

b) 2.523 , 2.537 , 2.529 and 2.531 c) 4.763 , 4.756 , 4.753 , 4.759 and 4.765 

18. Complete with a suitable decimal:



19. Represent the following numbers in their suitable places on the number line:

a) 2.1 , 0.3 , 0.7 , 2.6 and 1.4 b) 2.3 , 1.5 , 1.7 , 2.1 , 3.8 and 0.8 c) 0.9 , 2.3 , 3.2 , 1.8 , 3.6 and 2.7 

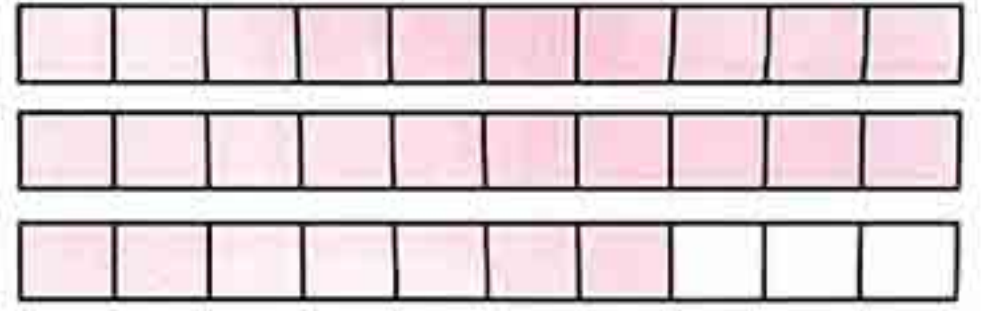
20. From the opposite figure. Choose the number that represents the coloured part:

a) 3.7

b) 2.3

c) 2.7

d) 3.3



Critical thinking

21. Match the fractions to their equivalent decimals.

- Use a ruler to draw a line that matches the fraction with the letter of its decimal form. The number tells you where to write your letter in the code boxes to find the secret word.

1	$\frac{9}{10}$	0.19	M
2	$\frac{1}{2}$	0.15	I
3	$\frac{2}{5}$	0.06	H
4	$\frac{3}{50}$	0.5	A
5	$\frac{3}{10}$	0.125	T
6	$\frac{19}{100}$	0.4	T
7	$\frac{17}{1000}$	0.9	M
8	$\frac{1}{8}$	0.3	E
9	$\frac{3}{20}$	0.017	A
10	$\frac{3}{4}$	0.7	S
11	$\frac{7}{10}$	0.75	C

M										
1	2	3	4	5	6	7	8	9	10	11

ruler | مسطرة | code | شفرة | secret word | كلمة السر



Solve Ex.

Exercise 4

Comparing two decimal numbers and ordering a set of decimal numbers

1. Complete with two suitable whole numbers, as the example:

Example: $12 < 12.15 < 13$

a) $<$ 0.45 $<$

b) $<$ 49.75 $<$

c) $<$ 7.56 $<$

d) $<$ 9.54 $<$

e) $<$ 1.75 $<$

f) $<$ 0.1 $<$

g) $<$ 5.6 $<$

2. Write three decimal numbers between:

a) 0.1 and 0.2

b) 17 and 18

c) 57.1 and 57.2

d) 49.04 and 49.05

e) 56.01 and 56

f) 0.08 and 0.09

3. Which is greater?

a) 16.3 or 6.63

b) 5.07 or 6

c) 3.24 or 3.42

d) 29.15 or 29.5

4. Which is smaller?

a) 3.5 or 3.05

b) 14.7 or 9.47

c) 27 or 23.9

d) 0.76 or 0.9

5. Put the suitable sign ($<$, $=$ or $>$):

a) 53.7 49.6

b) 1.400 1.4

c) 0.98 0.901

d) 8.08 8.1

e) 28.4 2.84

f) 3.14 3.2

g) 5.6 5.60

h) 0.92 1.02

i) $7\frac{3}{4}$ 7.75

UNIT 1

- j) 1.75 ----- $1\frac{3}{4}$ k) $1\frac{3}{4}$ ----- 1.50
- l) 2.25 ----- 3.250 m) $8 + 0.2 + 0.03$ ----- 8.32
- n) 45 tenths ----- 450 hundredths o) $8\frac{1}{8}$ ----- $8 + 0.1 + 0.02 + 0.004$
- p) 30 tenths ----- 3 tens q) $2\frac{1}{2} + 3.5$ ----- 64 tenths

6. Which of the opposite numbers lies

- a) between 17 and 18?
- b) between 34 and 34.5?
- c) between 33 and 35?
- d) between 17 and 17.5?
- e) between 17 and 17.1?
- f) between 34 and 34.1?

34.2	34.07
	17.03
17.019	34
	17.7

7. Using the following numbers, complete:

(1.3 , 3.2 , 10.04 , 3.12 , 3.215 and 1.12)

- a) The numbers greater than 3 are
- b) The numbers smaller than 3 are
- c) The numbers between 1 and 3 are
- d) The numbers between 2 and 4 are
- e) The numbers between 3.15 and 3.25 are
- f) The smallest number is and the greatest number is
- g) The ascending order of numbers is:,,, and

8. Arrange the following numbers:

- a) 5.8 , 5.08 , 58 and 8.5 (Ascendingly)
- b) 34.12 , 34.2 , 34.102 and 31.24 (Ascendingly)
- c) 157 , 152.3 , 152.13 and 157.1 (Ascendingly)
- d) 7.09 , 9.7 , 9.15 , 7.19 and 97 (Descendingly)
- e) 56.38 , 56.29 , 56.382 , 56.291 and 56.293 (Descendingly)
- f) 17.1 , 7.3 , 107.9 , 0.079 and 1.079 (Descendingly)

9. Arrange the following numbers:

a) 5.55 , $5\frac{1}{2}$, 55.5 and 0.55

(Ascendingly)

b) $\frac{1}{4}$, 0.3 , $\frac{7}{25}$ and 0.09

(Descendingly)

c) $10\frac{3}{5}$, $10\frac{1}{2}$, 10.56 and $10\frac{13}{20}$

(Descendingly)

d) $\frac{5}{6}$, $\frac{2}{3}$, 1.2 , 0.75 and $\frac{11}{12}$

(Ascendingly)

10. Underline the equal numbers in each of the following groups:

a) 18.04 , 18.40 , 18.040 , 18.44 , 1.840

b) 0.10 , 10.1 , 0.01 , 0.001 , 0.1

c) 5.73 , 5.703 , 5.730 , 5.072 , 5.073 , 50.73

d) 9.07 , 9.7 , 9.700 , 9.007 , 90.07

11. Write the following decimal numbers in their suitable places on the number line and then arrange them:

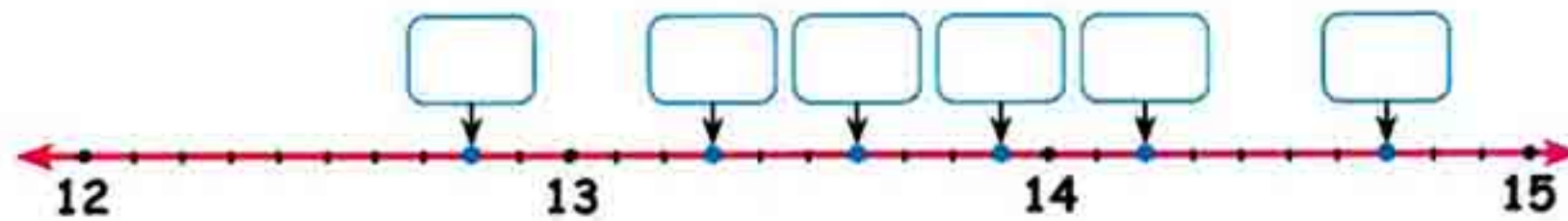
a) 7.8 , 7.3 , 9.1 and 8.7



So, < < <

(Ascendingly)

b) 13.6 , 13.3 , 14.2 , 14.7 , 12.8 and 13.9

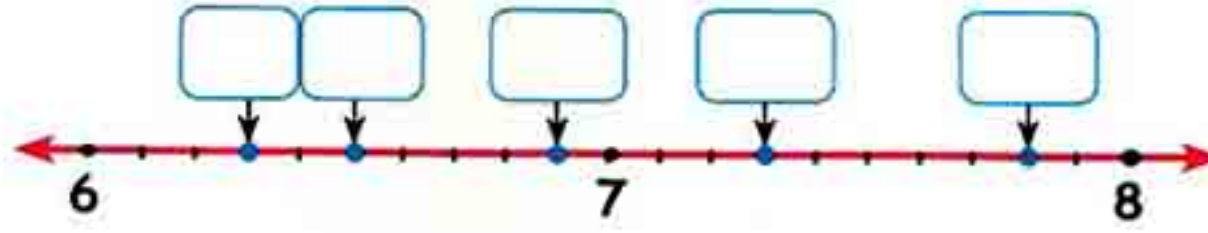


So, > > > > >

(Descendingly)

UNIT 1

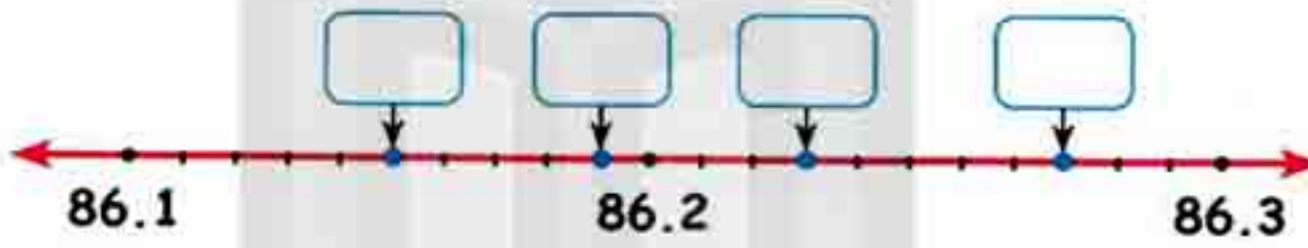
c) 6.5 , 7.3 , 7.8 , 6.3 and 6.9



The order is: , , , ,

(Ascendingly)

12. Write the suitable numbers inside the rectangles, then arrange them descendingly:



The order is: , , ,

(descendingly)

13. Choose the correct answer in each of the following:

a) The number which lies between 13.1 and 13.2 is

- 13.3
- 13.01
- 13.15
- 13.23

b) The number which lies between 0.08 and 0.1 is

- 0.07
- 0.09
- 0.2
- 0.18



GEM

اختبر قدراتك من خلال حل التدريبات التراكمية بعد كل درس

Unit (1)

Worksheet 1

on Lesson (1A) - Unit (1)

.....
20.....
5

1 Find the result of the following:

a) $\frac{1}{5} + \frac{2}{5} = \dots\dots\dots$

b) $\frac{3}{8} + \frac{4}{8} = \dots\dots\dots$

c) $\frac{5}{6} - \frac{4}{6} = \dots\dots\dots$

d) $1 - \frac{3}{4} = \dots\dots\dots$

e) $3 - 2\frac{1}{2} = \dots\dots\dots$

2 Complete each of the following:

a) $\frac{1}{2} = \frac{4}{\dots\dots}$

b) $\frac{2}{3} = \frac{\dots\dots}{15}$

c) $6 = \frac{6}{\dots\dots}$

d) $4 = \frac{\dots\dots}{3}$

e) $\frac{9}{27} = \dots\dots\dots$ "in the simplest form"

3 Put the suitable sign (<, = or >):

a) $\frac{5}{7} \dots\dots \frac{4}{7}$

b) $\frac{3}{5} \dots\dots \frac{3}{4}$

c) $1 \dots\dots \frac{8}{9}$

d) $\frac{14}{21} \dots\dots \frac{2}{3}$

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4 Arrange the following in ascending order:

$\frac{3}{5}, \frac{2}{5}, 1$ and $\frac{1}{5}$

The order is: and

Worksheet

2

Till Lesson (1B) - Unit (1)

.....
20.....
4

1 Complete each of the following:

a) $\frac{4}{5} = \frac{16}{\dots}$

b) $3\frac{1}{7} = \frac{\dots}{\dots}$ "as an improper fraction"

c) $\frac{30}{40} = \frac{\dots}{\dots}$ "in its simplest form"

d) $\frac{21}{5} = \dots \frac{\dots}{\dots}$ "as a mixed number"

2 Complete each of the following:

.....
6

a) $3\frac{1}{2} = \frac{\dots}{\dots}$ "as an improper fraction"

b) $3\frac{7}{11} = \frac{\dots}{\dots}$ "as an improper fraction"

c) $6\frac{2}{5} = \frac{\dots}{\dots}$ "as an improper fraction"

d) $\frac{61}{10} = \dots \frac{\dots}{\dots}$ "as a mixed number"

e) $\frac{36}{5} = \dots \frac{\dots}{\dots}$ "as a mixed number"

f) $\frac{24}{7} = \dots \frac{\dots}{\dots}$ "as a mixed number"

3 Arrange the following in descending order:

.....
6

a) $\frac{11}{15}, \frac{2}{3}, \frac{1}{15}$ and $\frac{4}{5}$

The order is: and

b) $\frac{1}{4}, \frac{2}{3}, \frac{1}{2}$ and $\frac{5}{6}$

The order is: and

4 Put the suitable sign (<, = or >):

.....
4

a) $8\frac{1}{2}$ $\frac{17}{2}$

b) $\frac{6}{5}$ $\frac{6}{7}$

c) $\frac{3}{2}$ $\frac{1}{2}$

d) $\frac{2}{5}$ $\frac{1}{4}$

Worksheet

3

Till Lesson (1 C) - Unit (1)

$$\frac{\dots}{20}$$

$$\frac{\dots}{4}$$

1 Choose the correct answer:

a) $\frac{1}{2} + \frac{1}{5} = \dots$

$(\frac{2}{7} \text{ or } \frac{3}{5} \text{ or } \frac{7}{10} \text{ or } \frac{9}{10})$

b) $\frac{7}{8} - \frac{3}{4} = \dots$

$(\frac{1}{4} \text{ or } \frac{1}{8} \text{ or } \frac{4}{8} \text{ or } 1)$

c) $\frac{32}{40} = \dots$ "in the simplest form"

$(\frac{4}{5} \text{ or } \frac{8}{10} \text{ or } \frac{12}{15} \text{ or } \frac{1}{3})$

d) $6 \frac{2}{7} = \dots$

$(\frac{38}{7} \text{ or } \frac{40}{7} \text{ or } \frac{42}{7} \text{ or } \frac{44}{7})$

2 Find the result of each of the following:

a) $\frac{3}{5} + \frac{2}{3} = \dots$

b) $2 \frac{1}{5} - \frac{2}{3} = \dots$

c) $6 \frac{2}{7} + 3 \frac{1}{5} = \dots$

d) $3 \frac{5}{6} - 1 \frac{3}{4} = \dots$

$$\frac{\dots}{8}$$
3 a) Find the result of the following $(7 \frac{2}{3} - 1 \frac{1}{4}) + 2 \frac{1}{6}$

$$\frac{\dots}{8}$$

b) If Amir has L.E. 50 and Eman has L.E. $35 \frac{1}{2}$, find the difference between what they have.

c) Ali had L.E 20, he bought a pen for L.E $6 \frac{1}{4}$ and a book for L.E $12 \frac{1}{3}$. Find the remainder with Ali.

Worksheet

4

Till Lesson (2) - Unit (1)

.....
15.....
5

1 Complete each of the following:

a) $28.75 = 0.05 + \dots + 8 + \dots$

b) $3 \frac{1}{4} = \dots$ "as an improper fraction"

c) $9 + 2 \frac{1}{2} = \dots$

d) Forty six thousandths = \dots "in digits"

e) The place value of 7 in 2.375 is \dots

2 a) Complete each of the following:

1) $0.7 + 0.09 + 0.001 + 197 = \dots$

2) The place value of 8 in 2.865 is \dots

b) Find the value of the digit 7 in each of the following:

1) 5.007

2) 3.752

3) 9.071

4) 572.03

3 Arrange the following numbers descendingly:

$6 \frac{1}{4}, 6 \frac{2}{5}, 6 \frac{1}{2}$ and $5 \frac{7}{10}$

The order is: \dots , \dots and \dots

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مع رياض الأطفال للصف الثالث الاعدادي

Worksheet

5

Till Lesson (3) - Unit (1)

.....
15.....
5

1 Choose the correct answer:

a) $2\frac{1}{3} = \dots\dots\dots$

$(\frac{5}{3} \text{ or } \frac{6}{3} \text{ or } \frac{7}{3} \text{ or } \frac{8}{3})$

b) $\frac{5}{10} = \dots\dots\dots$

$(0.5 \text{ or } 0.05 \text{ or } 0.005 \text{ or } 0.0005)$

c) $26.70 = \dots\dots\dots$

$(\frac{267}{10} \text{ or } \frac{267}{100} \text{ or } \frac{267}{1000} \text{ or otherwise})$

d) $0.1 < \dots\dots\dots < 0.2$

$(0.3 \text{ or } 0.12 \text{ or } 0.02 \text{ or } 0.03)$

e) $3\frac{3}{4} + 1\frac{1}{2} = \dots\dots\dots$

$(4\frac{1}{4} \text{ or } 4\frac{2}{3} \text{ or } 5\frac{1}{4} \text{ or } 5\frac{1}{2})$

2 (a) Complete each of the following:

.....
5

1) $7\frac{3}{5} = \dots\dots\dots$ (in decimal form)

2) $0.19 = \dots\dots\dots$ hundredths

3) The value of 9 in 0.79 is

(b) Complete with whole numbers such that the difference between them is as small as possible.

1) $\dots\dots\dots < 8.04 < \dots\dots\dots$

2) $\dots\dots\dots < 0.92 < \dots\dots\dots$

3 Put the suitable sign (< , = or >):

.....
5

a) $5.81 \dots\dots 5.75$

b) $41.6 \dots\dots 14.9$

c) $9.07 \dots\dots 9.1$

d) $0.43 \dots\dots 0.034$

e) $1.3 \dots\dots 1\frac{1}{2}$

f) $30 \dots\dots 3 \text{ tenths}$

Worksheet

6

Till Lesson (4) - Unit (1)

20

5

1 Choose the correct answer:

- a) $4 \frac{3}{5} = \dots\dots\dots$ (4.45 or 4.6 or 4.3 or 4.4)
- b) The value of the digit 3 in the number 59.34 is $\dots\dots\dots$ (3 or 30 or 0.3 or 0.03)
- c) $9.75 = \dots\dots\dots$ ($\frac{975}{10}$ or $\frac{39}{4}$ or $\frac{975}{1000}$ or otherwise)
- d) $0.15 < \dots\dots\dots < 0.16$ (0.65 or 0.55 or 0.015 or 0.153)
- e) 50 hundredths $\dots\dots\dots$ 5 tenths. ($<$ or $=$ or $>$ or \leq)

2 Complete each of the following:

5

- a) $5 \frac{3}{8} = \dots\dots\dots$ "in the decimal form"
- b) $7.08 = \dots\dots\dots \frac{\dots}{\dots}$
- c) $10 - 5.7 = \dots\dots\dots$
- d) The value of the digit (7) in the number 2.17 is $\dots\dots\dots$
- e) $\dots\dots\dots + 29.35 = 50$

3 Find the result of each of the following:

6

- a) $12.15 + 79.532$
- b) $617.8 - 113.567$
- c) $25.3 + 17.46 + 5.26$
- d) $75350 \div 1000$
- e) $835 \div 10$
- f) $8657 \div 100$

4 Peter has P.T. 475 and his friend Ali has L.E. 3.5. How many pounds do they have together?

4